

# Converting Colors

XYZ(65.1550, 86.1969, 64.6734)

Have a look what the booklet for  
XYZ(65.1550, 86.1969, 64.6734)  
contains.

<b>XYZ(64.6664, 85.2839, 64.6829)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.6664, 85.2839,  
64.6829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFC3
RGB	181, 255, 195
RGB Percent	71%, 100%, 76%
CMY	0.2902, 0.0000, 0.2353
CMYK	0.29, 0.00, 0.24, 0.00
HSL	131°, 100%, 85%
HSV	131°, 29%, 100%
XYZ	64.6664, 85.2839, 64.6829
YIQ	226.0340, -24.8440, -34.3480

# Conversions

## Conversions Part 2

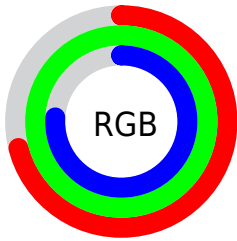
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">181, 243, 255</a>
Decimal	<a href="#">11927491</a>
CIELab	<a href="#">94.01, -34.40, 21.54</a>
CIELCh	<a href="#">94, 40.585, 147.951</a>
Yxy	<a href="#">85.2839, 0.3013, 0.3973</a>
Android (android.graphics.Color)	<a href="#">4290117571 (0xFFB5FFC3)</a>
YUV	<a href="#">226.0340, -15.2998, -39.4948</a>
Hunter-Lab	<a href="#">92.3493, -36.6189, 23.1168</a>

# Details

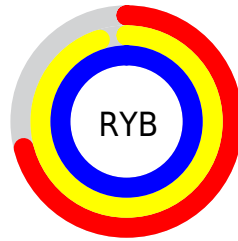
The XYZ color **64.6664, 85.2839, 64.6829** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73.6413, 60.6593, 91.0457**, and the grayscale version is **72.4330, 76.2052, 82.9874**.

A 20% lighter version of the original color is **88.5906, 96.7254, 106.0961**, and **33.6060, 46.7469, 32.4511** is the 20% darker color. If you saturate the color by 10%, you get **57.0459, 81.6071, 52.9568**, and if you desaturate by 10%, it is **73.7061, 89.6549, 78.1678**.

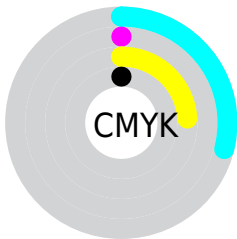
# Distribution



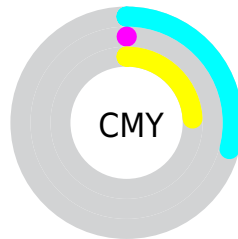
- Red (71%)
- Green (100%)
- Blue (76%)



- Red (71%)
- Yellow (95%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6664, 85.2839, 64.6829 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.6664, 85.2839, 64.6829 by changing the saturation by 10% instead.





 64.6664, 85.2839,  
64.6829

 64.6664, 85.2839,  
64.6829


431.1564,  
512.5670, 459.9266

 47.4543, 64.0760,  
46.7543


 110.6385,  
140.7698, 113.2028

 33.6044, 46.7122,  
32.4885


140.1292,  
175.8165, 144.6311

 22.7513, 32.8082,  
21.4670


174.4435,  
216.2450, 181.3964

 14.5297, 21.9796,  
13.2712

213.9468,  
262.4395, 223.9172

 8.5741, 13.8419,  
7.4827

259.0043,  
314.7846, 272.6121

 4.5193, 8.0108,  
3.6828

309.9815,

 1.9999, 4.1018,

373.6647, 327.8996

1.4530

367.2438,  
439.4640, 390.1982

■ 0.6339, 1.7307,  
0.1825

■ 0.0000, 0.4434,  
0.0000

■ 64.6664, 85.2839,  
64.6829

■ 64.6664, 85.2839,  
64.6829

■ 57.0459, 81.6071,  
52.9568

■ 73.7061, 89.6549,  
78.1678

■ 50.7699, 78.5875,  
42.9129

■ 84.2309, 94.7527,  
93.4757

■ 45.7593, 76.1860,  
34.4752

■ 95.0500, 100.0000,  
108.9000

■ 41.9260, 74.3589,  
27.5601

■ 39.1701, 73.0567,  
22.0764

■ 37.3747, 72.2212,  
17.9231

■ 36.3730, 71.7688,  
14.9845

■ 36.2986, 71.7354,  
14.7562

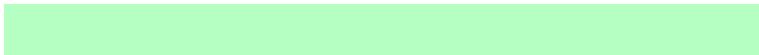
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6898, 85.2839, 49.5282



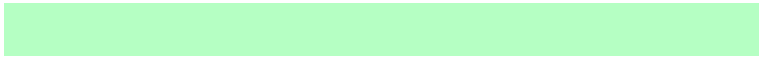
64.6664, 85.2839, 64.6829



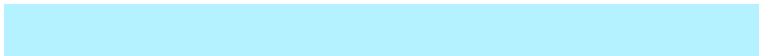
61.9870, 85.2839, 90.7444

# Triad

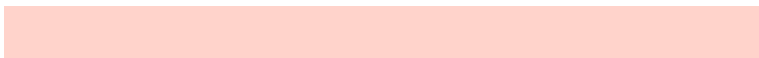
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6664, 85.2839, 64.6829



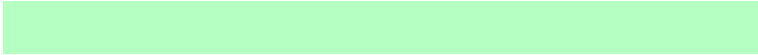
80.3178, 85.2839, 166.0810



100.8717, 85.2839, 67.6276

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.6664, 85.2839, 64.6829



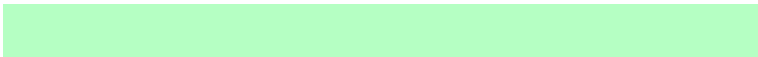
73.6413, 60.6593, 91.0457

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.6912, 85.2839, 95.0075



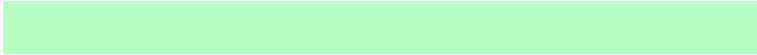
64.6664, 85.2839, 64.6829



91.2126, 85.2839, 156.0984

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6664, 85.2839, 64.6829



70.5086, 85.2839, 153.1042



100.0130, 85.2839, 128.2202

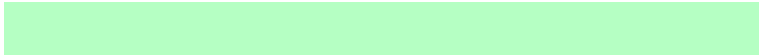


92.6143, 85.2839, 50.9433



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6664, 85.2839, 64.6829



62.8270, 85.2839, 112.4703



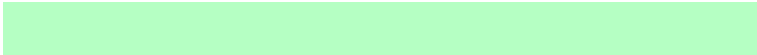
100.0130, 85.2839, 128.2202



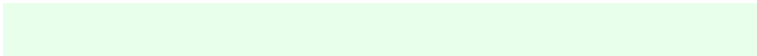
102.5174, 85.2839, 75.6723

# Sweetspot

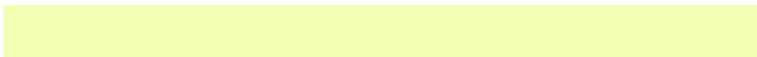
The Sweet Spot groups the original color and five complimentary colors.



64.6670, 85.2842, 64.6843



84.2523, 94.7631, 93.5065



80.5245, 93.6334, 57.5459



17.6853, 20.1145, 19.5126



0.0000, 0.0000, 0.0000

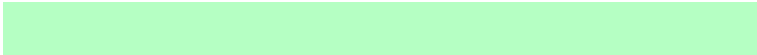


20.3446, 21.4041, 23.3091

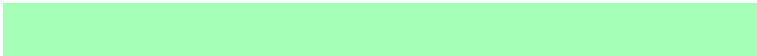


# Same Dimension

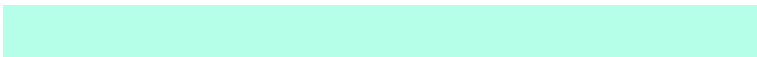
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6670, 85.2842, 64.6843



59.9429, 83.0038, 57.4635



69.3205, 87.1456, 89.1892



17.9119, 20.2243, 19.8393



19.0066, 37.4992, 7.9202



1.8861, 3.6654, 0.9579



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.6413, 60.6593, 91.0457



70.2802, 54.6214, 87.8154



68.7155, 58.6889, 65.1067



18.6366, 18.2380, 21.9694



27.4707, 13.4776, 32.1927

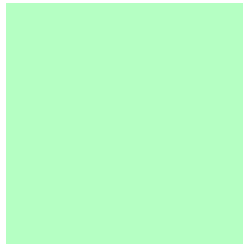


2.7110, 1.3268, 3.3253



# Previews

## White Background



This preview shows how the XYZ color 64.6664, 85.2839, 64.6829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

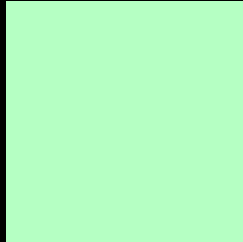
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6664, 85.2839, 64.6829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

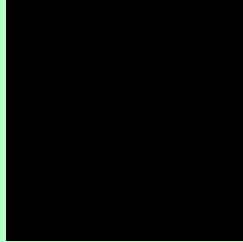
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

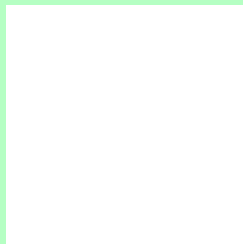
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.6664, 85.2839, 64.6829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6664, 85.2839, 64.6829.



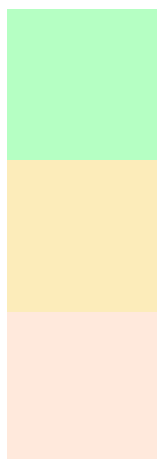
This preview shows how white text looks on a background with the XYZ color 64.6664, 85.2839, 64.6829.

64.6829.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

64.6664, 85.2839, 64.6829

### Protanopia

79.0033, 84.2315, 58.5488

### Deuteranopia

83.2972, 84.7051, 79.6696



## Tritanopia

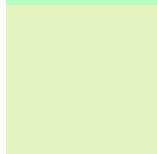
76.9535, 84.7213, 106.9047

# Trichromacy



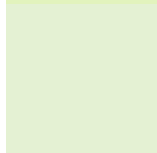
## Original Color

64.6664, 85.2839, 64.6829



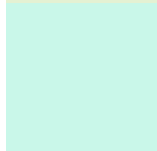
## Protanomaly

72.5999, 83.9441, 60.5205



## Deuteranomaly

75.2081, 84.1077, 73.8985



## Tritanomaly

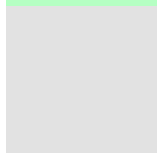
72.0561, 84.8222, 89.6654

# Monochromacy



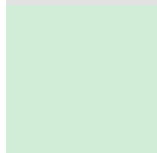
## Original Color

64.6664, 85.2839, 64.6829



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.1283, 79.1763, 75.9291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6664, 85.2839, 64.6829 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 195)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6664, 85.2839, 64.6829 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 255, 195) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 255, 195) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6664, 85.2839, 64.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 195) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
255, 195) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor