

# Converting Colors

XYZ(68.8962, 91.8769, 74.7473)

Have a look what the booklet for  
XYZ(68.8962, 91.8769, 74.7473)  
contains.

<b>XYZ(65.6287, 85.5884, 73.3828)</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(65.6287, 85.5884,  
73.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFD1
RGB	178, 255, 209
RGB Percent	70%, 100%, 82%
CMY	0.3020, 0.0000, 0.1804
CMYK	0.30, 0.00, 0.18, 0.00
HSL	144°, 100%, 85%
HSV	144°, 30%, 100%
XYZ	65.6287, 85.5884, 73.3828
YIQ	226.7330, -31.1260, -30.6300

# Conversions

## Conversions Part 2

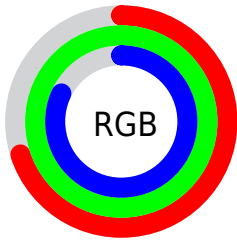
Format	Color
<a href="#">RYB</a>	<a href="#">178, 233, 255</a>
Decimal	<a href="#">11730897</a>
CIELab	<a href="#">94.14, -32.79, 14.54</a>
CIElCh	<a href="#">94, 35.871, 156.090</a>
Yxy	<a href="#">85.5884, 0.2922, 0.3811</a>
Android (android.graphics.Color)	<a href="#">4289920977</a> ( <a href="#">0xFFB2FFD1</a> )
YUV	<a href="#">226.7330, -8.7424, -42.7388</a>
Hunter-Lab	<a href="#">92.5140, -35.2730, 17.7305</a>

# Details

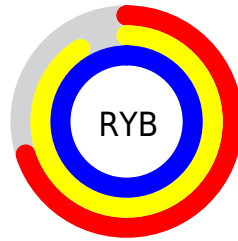
The XYZ color **65.6287, 85.5884, 73.3828** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.6153, 58.4834, 78.0875**, and the grayscale version is **72.8971, 76.6934, 83.5191**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **34.2789, 46.9657, 38.2689** is the 20% darker color. If you saturate the color by 10%, you get **58.5147, 82.1286, 63.6711**, and if you desaturate by 10%, it is **74.0121, 89.6817, 84.0981**.

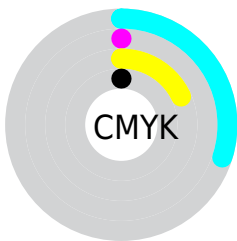
# Distribution



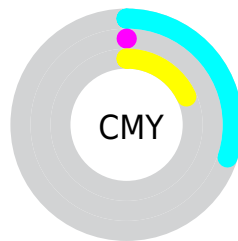
- Red (70%)
- Green (100%)
- Blue (82%)



- Red (70%)
- Yellow (91%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6287, 85.5884, 73.3828 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 65.6287, 85.5884, 73.3828 by changing the saturation by 10% instead.





 65.6287, 85.5884,  
73.3828

 65.6287, 85.5884,  
73.3828


434.5574,  
513.5730, 491.4468

 48.2376, 64.3277,  
53.7953


 112.0139,  
141.1950, 125.7464

 34.2272, 46.9161,  
38.0460


141.7388,  
176.3096, 159.3597

 23.2319, 32.9693,  
25.7163


176.3057,  
216.8110, 198.4852

 14.8865, 22.1030,  
16.3876

216.0799,  
263.0835, 243.5416

 8.8255, 13.9326,  
9.6416

261.4269,  
315.5116, 294.9475

 4.6838, 8.0738,  
5.0595

312.7118,

 2.0958, 4.1422,

374.4796, 353.1212

2.2228

370.3002,  
440.3720, 418.4815

■ 0.6869, 1.7534,  
0.6875

■ 0.0000, 0.4579,  
0.0000

■ 65.6287, 85.5884,  
73.3828

■ 65.6287, 85.5884,  
73.3828

■ 58.5147, 82.1286,  
63.6711

■ 74.0121, 89.6817,  
84.0981

■ 52.6024, 79.2681,  
54.9296

■ 83.7231, 94.4381,  
95.8408

■ 47.8211, 76.9709,  
47.1287

94.8191, 99.8865,  
108.6393

■ 44.0913, 75.1969,  
40.2359

95.0500, 100.0000,  
108.9000

■ 41.3225, 73.8998,  
34.2167

■ 39.4073, 73.0252,  
29.0339

■ 38.1914, 72.4926,  
24.7236

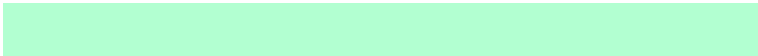
# Harmonies

## Analogous

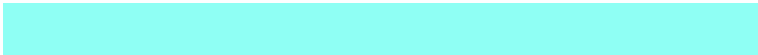
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9630, 85.5884, 56.6966



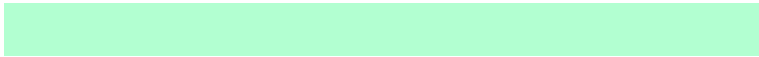
65.6287, 85.5884, 73.3828



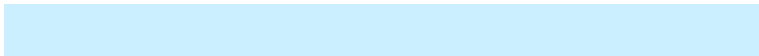
64.3557, 85.5884, 98.9069

# Triad

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



65.6287, 85.5884, 73.3828



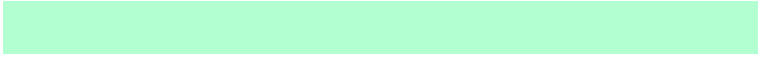
83.3212, 85.5884, 156.1883



97.1796, 85.5884, 65.4150

# Complementary

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



65.6287, 85.5884, 73.3828



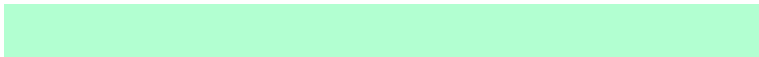
70.6153, 58.4834, 78.0875

# 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.



101.0982, 85.5884, 87.7001



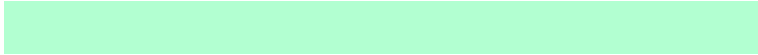
65.6287, 85.5884, 73.3828



92.7024, 85.5884, 142.7157

# Square

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



65.6287, 85.5884, 73.3828



74.1016, 85.5884, 150.2896



99.3988, 85.5884, 116.2774

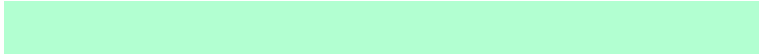


89.0546, 85.5884, 52.7684



# Rectangle

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



65.6287, 85.5884, 73.3828



65.8859, 85.5884, 118.4001



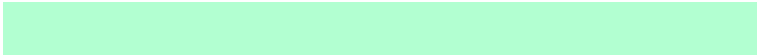
99.3988, 85.5884, 116.2774



99.0604, 85.5884, 71.8414

# Sweetspot

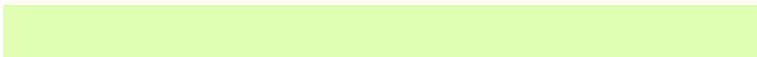
The Sweet Spot groups the original color and five complimentary colors.



65.6294, 85.5888, 73.3842



84.9755, 95.0524, 97.3145



74.5988, 90.6138, 55.6790



17.8625, 20.1854, 20.4458



0.0000, 0.0000, 0.0000

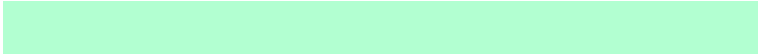


20.3446, 21.4041, 23.3091

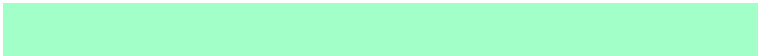


# Same Dimension

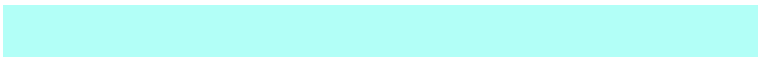
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.6294, 85.5888, 73.3842



61.3492, 83.5053, 67.6261



70.9554, 87.7192, 101.4305



18.0746, 20.2894, 20.6958



20.0249, 37.9065, 13.2823



2.0021, 3.7118, 1.5688



# Inverse Universe

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



70.6153, 58.4834, 78.0875



67.0329, 52.5895, 72.9752



65.9920, 56.6341, 53.7416



18.4649, 18.1693, 21.0655



24.6004, 12.3294, 17.0778

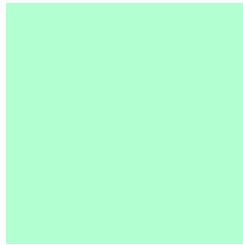


2.4493, 1.2221, 1.9476



# Previews

## White Background



This preview shows how the XYZ color 65.6287, 85.5884, 73.3828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

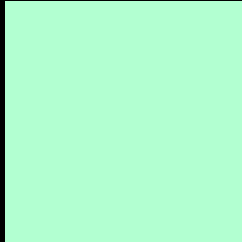
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6287, 85.5884, 73.3828 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

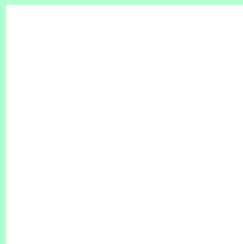
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.6287, 85.5884, 73.3828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.6287, 85.5884, 73.3828.



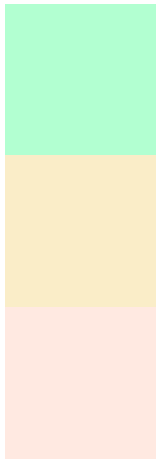
This preview shows how white text looks on a background with the XYZ color 65.6287, 85.5884,

73.3828.

# 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

65.6287, 85.5884, 73.3828

### Protanopia

80.1339, 85.0625, 66.8388

### Deuteranopia

83.9695, 84.9741, 83.2101



## Tritanopia

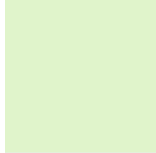
76.9646, 85.1701, 106.9907

# Trichromacy



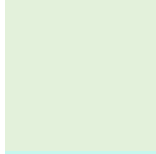
## Original Color

65.6287, 85.5884, 73.3828



## Protanomaly

73.8706, 84.8605, 68.9862



## Deuteranomaly

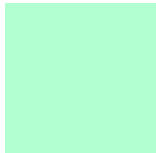
75.9200, 84.3560, 79.2987



## Tritanomaly

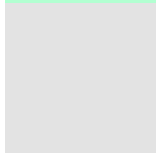
72.2466, 84.8367, 93.4562

# Monochromacy



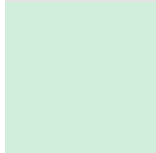
## Original Color

65.6287, 85.5884, 73.3828



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.4969, 79.2910, 79.3520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6287, 85.5884, 73.3828 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(178, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 209)  
}
```

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(178, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6287, 85.5884, 73.3828 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(178, 255, 209) }
```



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

```
.border{ border-color:rgb(178, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6287, 85.5884, 73.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 209) }
```

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

```
.background{ background-color: rgb(178,  
255, 209) }
```

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](#).

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