

# Converting Colors

XYZ(62.7732, 84.7678, 43.8165)

Have a look what the booklet for  
XYZ(62.7732, 84.7678, 43.8165)  
contains.

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# Color

**XYZ(62.8279, 84.8002,  
43.6286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEFF9A
RGB	190, 255, 154
RGB Percent	75%, 100%, 60%
CMY	0.2549, 0.0000, 0.3961
CMYK	0.25, 0.00, 0.40, 0.00
HSL	99°, 100%, 80%
HSV	99°, 40%, 100%
XYZ	62.8279, 84.8002, 43.6286
YIQ	224.0510, -6.3190, -45.1910

# Conversions

## Conversions Part 2

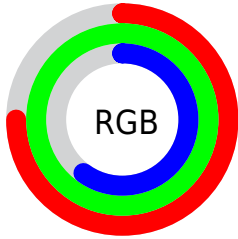
Format	Color
<a href="#">RYB</a>	<a href="#">154, 255, 219</a>
Decimal	<a href="#">12517274</a>
CIELab	<a href="#">93.80, -37.71, 41.86</a>
CIElCh	<a href="#">94, 56.340, 132.015</a>
Yxy	<a href="#">84.8002, 0.3285, 0.4434</a>
Android (android.graphics.Color)	<a href="#">4290707354 (0xFFBEFF9A)</a>
YUV	<a href="#">224.0510, -34.5351, -29.8627</a>
Hunter-Lab	<a href="#">92.0870, -39.3677, 36.3708</a>

# Details

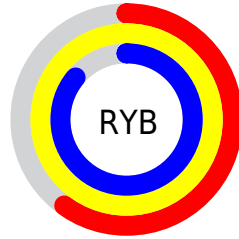
The XYZ color **62.8279, 84.8002, 43.6286** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.8203, 45.3927, 100.2692**, and the grayscale version is **71.1299, 74.8342, 81.4945**.

A 20% lighter version of the original color is **85.9800, 96.0799, 74.3352**, and **32.3746, 46.3961, 19.5609** is the 20% darker color. If you saturate the color by 10%, you get **57.0536, 82.0433, 33.4250**, and if you desaturate by 10%, it is **69.5157, 87.9759, 56.2322**.

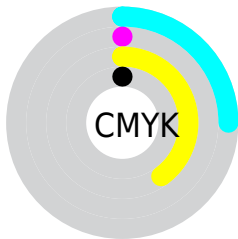
# Distribution



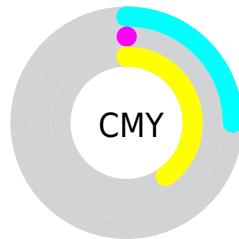
- Red (75%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (86%)



- Cyan (25%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8279, 84.8002, 43.6286 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 62.8279, 84.8002, 43.6286 by changing the saturation by 10% instead.



 62.8279, 84.8002,  
43.6286


 62.8279, 84.8002,  
43.6286


424.6142,  
510.9667, 377.1874

 45.9601, 63.6763,  
30.0436


 108.0044,  
140.0940, 81.9551

 32.4188, 46.3886,  
19.6193


 137.0438,  
175.0327, 107.5337

 21.8387, 32.5525,  
11.9373


170.8712,  
215.3451, 137.9471

 13.8544, 21.7839,  
6.5790

209.8518,  
261.4156, 173.6141

 8.1005, 13.6982,  
3.1258

254.3511,  
313.6286, 214.9531

 4.2117, 7.9111,  
1.1592

304.7343,

 1.8226, 4.0381,

372.3686, 262.3826

0.0000

361.3669,  
438.0198, 316.3212

0.5312, 1.6949,  
0.0000

0.0000, 0.4203,  
0.0000

62.8279, 84.8002,  
43.6286

62.8279, 84.8002,  
43.6286

57.0536, 82.0433,  
33.4250

69.5157, 87.9759,  
56.2322

52.1477, 79.6853,  
25.4651

77.1567, 91.5878,  
71.3711

48.0622, 77.7052,  
19.5801

85.7894, 95.6530,  
89.1751

44.7435, 76.0796,  
15.5758

95.0500, 100.0000,  
108.9000

■ 42.1297, 74.7815,  
13.2208

■ 40.1326, 73.7735,  
12.1533

■ 40.0633, 73.7384,  
12.1214

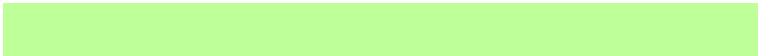
# Harmonies

## Analogous

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



74.7553, 84.8002, 32.8945



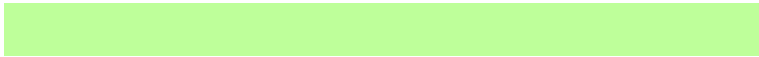
62.8279, 84.8002, 43.6286



56.2045, 84.8002, 69.1458

# Triad

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



62.8279, 84.8002, 43.6286



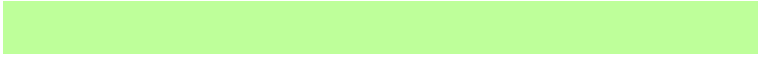
72.0347, 84.8002, 195.0332



112.1601, 84.8002, 76.2135

# Complementary

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



62.8279, 84.8002, 43.6286



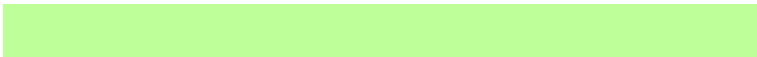
58.8203, 45.3927, 100.2692

# Split Complementary

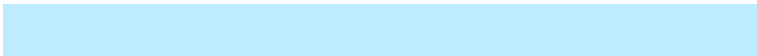
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.1957, 84.8002, 120.1986



62.8279, 84.8002, 43.6286



86.7418, 84.8002, 198.7147

# Square

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



62.8279, 84.8002, 43.6286



61.0493, 84.8002, 159.2321



101.4425, 84.8002, 168.1242

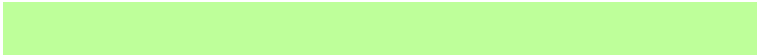


103.9340, 84.8002, 47.4167



# Rectangle

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



62.8279, 84.8002, 43.6286



55.1195, 84.8002, 95.2617



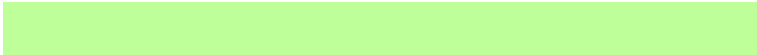
101.4425, 84.8002, 168.1242



112.9256, 84.8002, 89.4650

# Sweetspot

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



62.8283, 84.8004, 43.6299



83.6311, 94.6379, 84.6649



72.1360, 73.7193, 41.0004



17.6536, 20.1402, 17.6091



0.0000, 0.0000, 0.0000

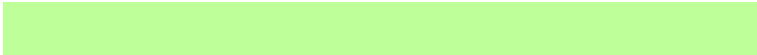


20.3446, 21.4041, 23.3091

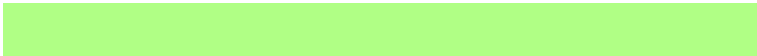


# Same Dimension

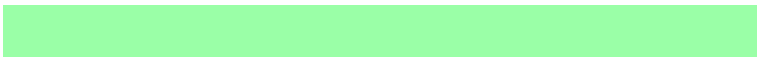
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8283, 84.8004, 43.6299



57.9217, 82.4589, 34.9090



56.1055, 81.1977, 49.5027



18.3825, 20.4831, 19.1291



21.0808, 38.6056, 6.3406



2.1663, 3.8175, 0.6227



# Inverse Universe

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



58.8203, 45.3927, 100.2692



53.3542, 37.7899, 99.0899



68.7531, 50.7550, 89.8107



18.1277, 17.9576, 22.7607



17.6120, 7.9898, 50.0485

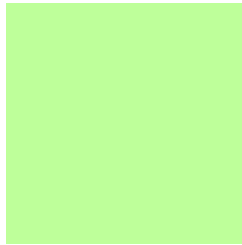


1.8339, 0.8393, 4.8786



# Previews

## White Background



This preview shows how the XYZ color 62.8279, 84.8002, 43.6286 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

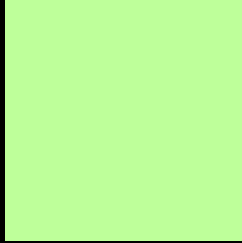
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.8279, 84.8002, 43.6286 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

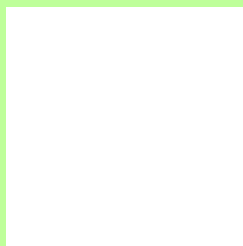
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.8279, 84.8002, 43.6286**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8279, 84.8002, 43.6286.



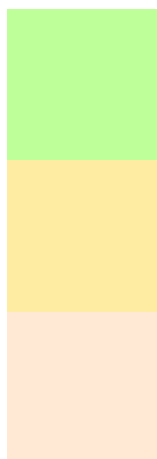
This preview shows how white text looks on a background with the XYZ color 62.8279, 84.8002,

43.6286.

# 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

62.8279, 84.8002, 43.6286

### Protanopia

77.8463, 83.8952, 46.7408

### Deuteranopia

82.2626, 84.2913, 74.2215



## Tritanopia

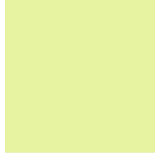
77.5296, 84.5777, 106.8466

# Trichromacy



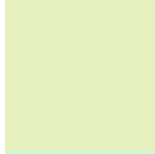
## Original Color

62.8279, 84.8002, 43.6286



## Protanomaly

71.3508, 83.6282, 45.6390



## Deuteranomaly

73.8143, 83.6611, 61.5480



## Tritanomaly

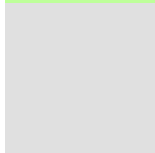
71.0643, 84.0953, 78.8162

# Monochromacy



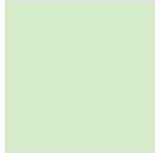
## Original Color

62.8279, 84.8002, 43.6286



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

67.1685, 77.5372, 65.4589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8279, 84.8002, 43.6286 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(190, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 154)  
}
```

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(190, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8279, 84.8002, 43.6286 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(190, 255, 154) }
```



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

```
.border{ border-color:rgb(190, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8279, 84.8002, 43.6286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 154) }
```

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

```
.background{ background-color: rgb(190,  
255, 154) }
```

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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