

# Converting Colors

XYZ(48.8522, 64.2130, 65.6239)

Have a look what the booklet for  
XYZ(48.8522, 64.2130, 65.6239)  
contains.

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# Color

**XYZ(49.0124, 64.4078,  
65.7258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EE2CA
RGB	142, 226, 202
RGB Percent	56%, 89%, 79%
CMY	0.4431, 0.1137, 0.2078
CMYK	0.37, 0.00, 0.11, 0.11
HSL	163°, 59%, 72%
HSV	163°, 37%, 89%
XYZ	49.0124, 64.4078, 65.7258
YIQ	198.1480, -42.3600, -25.2720

# Conversions

## Conversions Part 2

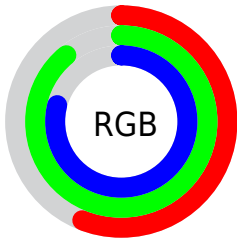
Format	Color
<a href="#">RYB</a>	<a href="#">142, 191, 226</a>
Decimal	<a href="#">9364170</a>
CIELab	<a href="#">84.18, -30.85, 3.69</a>
CIELCh	<a href="#">84, 31.068, 173.173</a>
Yxy	<a href="#">64.4078, 0.2736, 0.3595</a>
Android (android.graphics.Color)	<a href="#">4287554250 (0xFF8EE2CA)</a>
YUV	<a href="#">198.1480, 1.8990, -49.2418</a>
Hunter-Lab	<a href="#">80.2545, -31.4332, 7.6215</a>

# Details

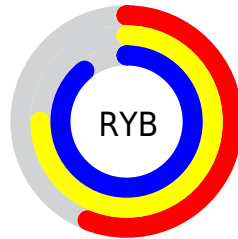
The XYZ color **49.0124, 64.4078, 65.7258** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.9222, 38.2697, 40.9401**, and the grayscale version is **53.7753, 56.5758, 61.6110**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **23.6505, 32.9138, 33.1235** is the 20% darker color. If you saturate the color by 10%, you get **44.7726, 62.3103, 61.6200**, and if you desaturate by 10%, it is **54.0740, 66.9286, 70.0399**.

# Distribution



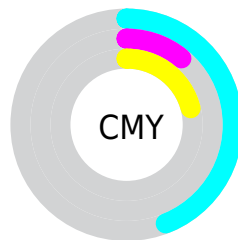
- Red (56%)
- Green (89%)
- Blue (79%)



- Red (56%)
- Yellow (75%)
- Blue (89%)



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (44%)
- Magenta (11%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0124, 64.4078, 65.7258 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 49.0124, 64.4078, 65.7258 by changing the saturation by 10% instead.





 49.0124, 64.4078,  
65.7258


 49.0124, 64.4078,  
65.7258


373.3073,  
440.6608, 463.7730

 34.8439, 46.9810,  
47.5948


 87.9105, 111.1980,  
114.7159

 23.7086, 33.0207,  
33.1484


 113.3708,  
141.3303, 146.4121

 15.2412, 22.1423,  
21.9681


143.3257,  
176.4665, 183.4671

 9.0762, 13.9615,  
13.6354

178.1406,  
216.9911, 226.2995

 4.8484, 8.0939,  
7.7317

218.1809,  
263.2884, 275.3277

 2.1925, 4.1551,  
3.8384

263.8118,

 0.7388, 1.7607,

315.7429, 330.9703

1.5371

315.3988,  
374.7389, 393.6459

■ 0.0000, 0.4625,  
0.2454

■ 0.0000, 0.0000,  
0.0000

■ 49.0124, 64.4078,  
65.7258

■ 49.0124, 64.4078,  
65.7258

■ 44.7726, 62.3103,  
61.6200

■ 54.0740, 66.9286,  
70.0399

■ 41.3009, 60.6034,  
57.7139


■ 59.9961, 69.8876,  
74.5619


■ 38.5457, 59.2623,  
54.0043


■ 66.8214, 73.3084,  
79.2971

■ 36.4466, 58.2559,  
50.4862


■ 74.5882, 77.2108,  
84.2493


 34.9327, 57.5476,  
47.1544

 83.3306, 81.6123,  
89.4220

 33.9113, 57.0898,  
44.0021

 84.2772, 81.9909,  
94.4064

 33.6681, 56.9833,  
43.1397

 85.2579, 82.3832,  
99.5710

 86.2732, 82.7893,  
104.9174

 86.4875, 82.8750,  
106.0458

# Harmonies

## Analogous

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



51.2381, 64.4078, 49.8031



49.0124, 64.4078, 65.7258



49.8556, 64.4078, 86.0997

# Triad

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



49.0124, 64.4078, 65.7258



66.5660, 64.4078, 110.9902



69.4847, 64.4078, 43.9894

# Complementary

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



49.0124, 64.4078, 65.7258



47.9222, 38.2697, 40.9401

# 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.



74.1869, 64.4078, 56.2667



49.0124, 64.4078, 65.7258



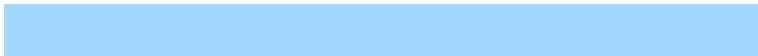
72.4156, 64.4078, 95.3467

# Square

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



49.0124, 64.4078, 65.7258



59.6602, 64.4078, 114.8152



75.2976, 64.4078, 74.7249



62.8020, 64.4078, 38.8651



# Rectangle

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



49.0124, 64.4078, 65.7258



52.0776, 64.4078, 99.3392



75.2976, 64.4078, 74.7249



71.3691, 64.4078, 47.2924

# Sweetspot

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



49.0142, 64.4104, 65.7273



84.2090, 94.5572, 101.7966



48.0596, 64.5857, 35.5257



17.7606, 20.1070, 21.6064



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

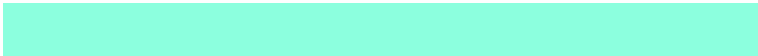


# Same Dimension

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



49.0142, 64.4104, 65.7273



59.8306, 82.4025, 82.0077



47.7344, 56.9434, 80.4298



13.9408, 15.5021, 16.7237



19.2604, 32.5290, 24.8921



1.3730, 2.2699, 1.9254



# Inverse Universe

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



47.9222, 38.2697, 40.9401



58.2012, 43.1079, 44.8079



48.6124, 42.8512, 31.3013



13.8675, 13.7646, 15.0722



18.4749, 9.4570, 3.9006



1.3185, 0.6707, 0.4699



# Previews

## White Background



This preview shows how the XYZ color 49.0124, 64.4078, 65.7258 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 49.0124, 64.4078, 65.7258 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

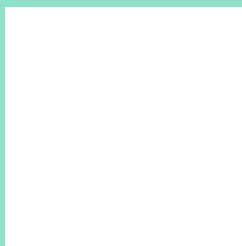
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.0124, 64.4078, 65.7258**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.0124, 64.4078, 65.7258.



This preview shows how white text looks on a background with the XYZ color 49.0124, 64.4078,



# 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

49.0124, 64.4078, 65.7258

### Protanopia

60.6856, 63.6692, 58.9601

### Deuteranopia

65.0161, 63.5690, 67.8748



## Tritanopia

54.0516, 64.4653, 90.4831

# Trichromacy



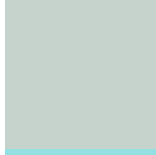
## Original Color

49.0124, 64.4078, 65.7258



## Protanomaly

55.4994, 63.5335, 61.5626



## Deuteranomaly

57.6024, 63.0021, 66.8823



## Tritanomaly

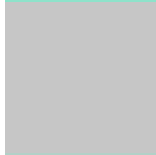
52.1910, 64.5075, 80.9346

# Monochromacy



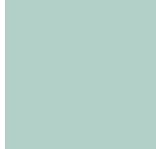
## Original Color

49.0124, 64.4078, 65.7258



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

51.2248, 58.7002, 62.6633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0124, 64.4078, 65.7258 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(142, 226, 202)` looks like.

```
.text, #text, p{  
    color:rgb(142, 226, 202)  
}
```

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(142, 226, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 226, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0124, 64.4078, 65.7258 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(142, 226, 202) }
```



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

```
.border{ border-color:rgb(142, 226, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 226, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 226, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 226, 202); box-shadow:4px 4px 4px 4px rgb(142, 226, 202) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0124, 64.4078, 65.7258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 226, 202) }
```

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

```
.background{ background-color: rgb(142,  
226, 202) }
```

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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