

Converting Colors

XYZ(49.8757, 65.2163, 71.0639)

Have a look what the booklet for
XYZ(49.8757, 65.2163, 71.0639)
contains.

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Color

**XYZ(49.7494, 65.0803,
70.9124)**

Conversions

Conversions Part 1

Format	Color
Hex	8BE3D2
RGB	139, 227, 210
RGB Percent	55%, 89%, 82%
CMY	0.4549, 0.1098, 0.1765
CMYK	0.39, 0.00, 0.07, 0.11
HSL	168°, 61%, 72%
HSV	168°, 39%, 89%
XYZ	49.7494, 65.0803, 70.9124
YIQ	198.7500, -46.9910, -23.9430

Conversions

Conversions Part 2

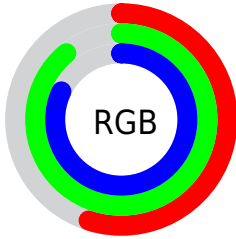
Format	Color
RYB	139, 188, 227
Decimal	9167826
CIELab	84.53, -30.35, -0.04
CIELCh	85, 30.346, 180.079
Yxy	65.0803, 0.2678, 0.3504
Android (android.graphics.Color)	4287357906 (0xFF8BE3D2)
YUV	198.7500, 5.5462, -52.4008
Hunter-Lab	80.6724, -31.0984, 4.3537

Details

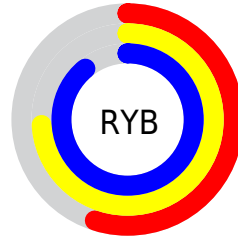
The XYZ color **49.7494, 65.0803, 70.9124** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.9142, 37.1982, 36.1623**, and the grayscale version is **54.1226, 56.9412, 62.0090**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **24.1309, 33.3651, 36.6208** is the 20% darker color. If you saturate the color by 10%, you get **45.8069, 63.1118, 67.9155**, and if you desaturate by 10%, it is **54.4975, 67.4657, 74.0280**.

Distribution



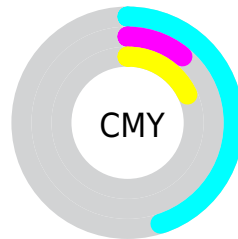
- Red (55%)
- Green (89%)
- Blue (82%)



- Red (55%)
- Yellow (74%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (45%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7494, 65.0803, 70.9124 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 49.7494, 65.0803, 70.9124 by changing the saturation by 10% instead.


 49.7494, 65.0803,
70.9124


 49.7494, 65.0803,
70.9124


376.1533,
443.0805, 482.6226

 35.4313, 47.5262,
51.7893


 88.9975, 112.1653,
122.2023

 24.1634, 33.4518,
36.4561


 114.6582,
142.4650, 155.2061

 15.5802, 22.4728,
24.4942


144.8305,
177.7820, 193.6740

 9.3166, 14.2047,
15.4850

179.8798,
218.5007, 238.0245

 5.0070, 8.2632,
9.0101

220.1713,
265.0055, 288.6760

 2.2862, 4.2638,
4.6509

266.0706,

 0.7876, 1.8222,

317.6808, 346.0472

1.9888

317.9428,
376.9110, 410.5565

■ 0.0000, 0.5010,
0.5484

■ 0.0000, 0.0000,
0.0000

■ 49.7494, 65.0803,
70.9124

■ 49.7494, 65.0803,
70.9124

■ 45.8069, 63.1118,
67.9155

■ 54.4975, 67.4657,
74.0280

■ 42.6153, 61.5270,
65.0300

■ 60.0907, 70.2833,
77.2605

■ 40.1217, 60.3004,
62.2541

■ 66.5723, 73.5572,
80.6140

■ 38.2639, 59.3998,
59.5842

■ 73.9813, 77.3074,
84.0908

■ 36.9685, 58.7875,
57.0163

■ 82.3540, 81.5526,
87.6934

■ 36.1241, 58.4061,
54.5446

■ 83.8967, 82.2750,
91.0575

■ 36.0326, 58.3654,
54.2454

■ 84.5431, 82.5336,
94.4614

■ 85.2052, 82.7985,
97.9483

■ 85.8833, 83.0697,
101.5189

Harmonies

Analogous

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



51.2626, 65.0803, 53.8694



49.7494, 65.0803, 70.9124



51.2783, 65.0803, 91.2008

Triad

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



49.7494, 65.0803, 70.9124



68.6018, 65.0803, 108.1964



68.5688, 65.0803, 43.2495

Complementary

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



49.7494, 65.0803, 70.9124



46.9142, 37.1982, 36.1623

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.



73.7985, 65.0803, 53.7959



49.7494, 65.0803, 70.9124



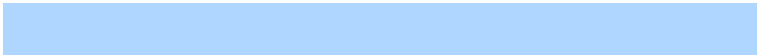
73.8186, 65.0803, 91.0963

Square

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



49.7494, 65.0803, 70.9124



61.8747, 65.0803, 114.9794



75.7848, 65.0803, 70.8104



61.8391, 65.0803, 39.7771

Rectangle

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



49.7494, 65.0803, 70.9124



53.8858, 65.0803, 103.4116



75.7848, 65.0803, 70.8104



70.5776, 65.0803, 45.9773

Sweetspot

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



49.7513, 65.0829, 70.9139



83.7372, 94.2763, 103.4781



45.9580, 63.9329, 34.3453



17.6824, 20.0573, 22.0253



0.0000, 0.0000, 0.0000



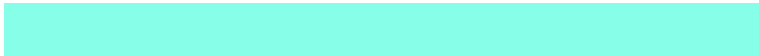
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7513, 65.0829, 70.9139



60.3192, 82.5007, 88.9728



45.3081, 52.6243, 80.4456



14.6818, 16.2861, 17.8550



21.0550, 34.0541, 31.8539



1.5866, 2.5288, 2.5157

Inverse Universe

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



46.9142, 37.1982, 36.1623



56.1229, 41.1090, 37.4629



49.8683, 45.2518, 30.5334



14.4902, 14.4133, 15.5159



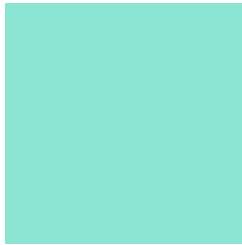
18.7709, 9.6426, 2.4224



1.4192, 0.7254, 0.3482

Previews

White Background



This preview shows how the XYZ color 49.7494, 65.0803, 70.9124 looks on a white background.

Color Contrast Check

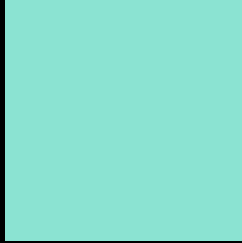
Large Text (above 18pt) WCAG AA × Fail

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 49.7494, 65.0803, 70.9124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

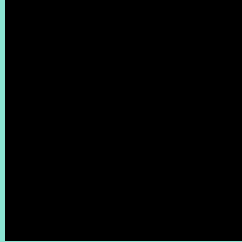
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7494, 65.0803, 70.9124

Background



This preview shows how black text looks on a background with the XYZ color 49.7494, 65.0803, 70.9124.

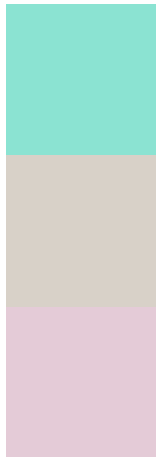


This preview shows how white text looks on a background with the XYZ color 49.7494, 65.0803,

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

49.7494, 65.0803, 70.9124

Protanopia

61.5447, 64.3700, 63.8245

Deuteranopia

65.6166, 64.1121, 73.2065



Tritanopia

54.1485, 65.2697, 92.1825

Trichromacy



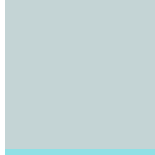
Original Color

49.7494, 65.0803, 70.9124



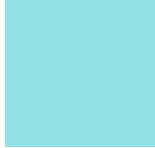
Protanomaly

56.1940, 64.1627, 66.5496



Deuteranomaly

58.3187, 63.6268, 72.1583



Tritanomaly

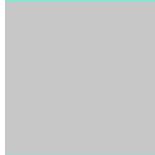
52.3001, 64.8977, 83.8988

Monochromacy



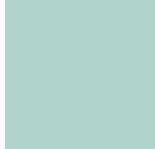
Original Color

49.7494, 65.0803, 70.9124



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.7114, 59.2598, 65.2127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7494, 65.0803, 70.9124 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(139, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(139, 227, 210)  
}
```

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(139, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 227, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.7494, 65.0803, 70.9124 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(139, 227, 210) }
```


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

```
.border{ border-color:rgb(139, 227, 210) }
```

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

Here you see how a box with a 4 pixel rgb(139, 227, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(139, 227,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7494, 65.0803, 70.9124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 227, 210) }
```

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

```
.background{ background-color: rgb(139,  
227, 210) }
```

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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