

Converting Colors

XYZ(48.8562, 65.4382, 70.1644)

Have a look what the booklet for
XYZ(48.8562, 65.4382, 70.1644)
contains.

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Color

**XYZ(48.8880, 65.4674,
70.3814)**

Conversions

Conversions Part 1

Format	Color
Hex	83E5D1
RGB	131, 229, 209
RGB Percent	51%, 90%, 82%
CMY	0.4863, 0.1019, 0.1804
CMYK	0.43, 0.00, 0.09, 0.10
HSL	168°, 65%, 71%
HSV	168°, 43%, 90%
XYZ	48.8880, 65.4674, 70.3814
YIQ	197.4180, -51.9880, -26.9960

Conversions

Conversions Part 2

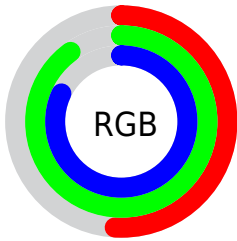
Format	Color
RYB	131, 186, 229
Decimal	8644049
CIELab	84.72, -33.54, 0.74
CIELCh	85, 33.551, 178.744
Yxy	65.4674, 0.2646, 0.3544
Android (android.graphics.Color)	4286834129 (0xFF83E5D1)
YUV	197.4180, 5.7099, -58.2486
Hunter-Lab	80.9119, -33.7439, 5.0648

Details

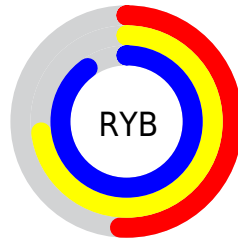
The XYZ color **48.8880, 65.4674, 70.3814** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.0175, 35.1267, 33.6353**, and the grayscale version is **53.3142, 56.0907, 61.0827**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **23.6840, 33.7095, 36.2687** is the 20% darker color. If you saturate the color by 10%, you get **45.1557, 63.6109, 67.2311**, and if you desaturate by 10%, it is **53.4248, 67.7400, 73.6608**.

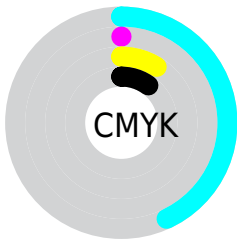
Distribution



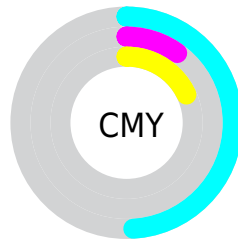
- Red (51%)
- Green (90%)
- Blue (82%)



- Red (51%)
- Yellow (73%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8880, 65.4674, 70.3814 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 48.8880, 65.4674, 70.3814 by changing the saturation by 10% instead.


 48.8880, 65.4674,
70.3814


 48.8880, 65.4674,
70.3814


372.8255,
444.4697, 480.7133


 34.7448, 47.8402,
51.3588


 87.7268, 112.7216,
121.4387

 23.6320, 33.7003,
36.1155


 113.1531,
143.1173, 154.3105

 15.1841, 22.6635,
24.2330

 143.0712,
178.5380, 192.6358

 9.0358, 14.3452,
15.2928

177.8464,
219.3681, 236.8331

 4.8219, 8.3612,
8.8762

217.8441,
265.9919, 287.3209

 2.1768, 4.3269,
4.5648

263.4296,

 0.7305, 1.8581,

318.7938, 344.5179

1.9400

314.9683,
378.1583, 408.8425

■ 0.0000, 0.5230,
0.5180

■ 0.0000, 0.0000,
0.0000

■ 48.8880, 65.4674,
70.3814

■ 48.8880, 65.4674,
70.3814

■ 45.1557, 63.6109,
67.2311

■ 53.4248, 67.7400,
73.6608

■ 42.1700, 62.1357,
64.2023


■ 58.8081, 70.4453,
77.0678


■ 39.8741, 61.0140,
61.2929


■ 65.0835, 73.6086,
80.6066


■ 38.2001, 60.2112,
58.4989


■ 72.2920, 77.2509,
84.2799


 37.0666, 59.6851,
55.8159


 80.4716, 81.3918,
88.0902

 36.4912, 59.4292,
53.9465

 84.5533, 83.4180,
91.8010

 85.2455, 83.6949,
95.4461

 85.9556, 83.9790,
99.1857

 86.6838, 84.2703,
103.0204

Harmonies

Analogous

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



50.6895, 65.4674, 51.9236



48.8880, 65.4674, 70.3814



50.4142, 65.4674, 93.0542

Triad

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



48.8880, 65.4674, 70.3814



69.4232, 65.4674, 113.9886



70.0139, 65.4674, 41.4766

Complementary

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



48.8880, 65.4674, 70.3814



46.0175, 35.1267, 33.6353

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.



75.7493, 65.4674, 53.2033



48.8880, 65.4674, 70.3814



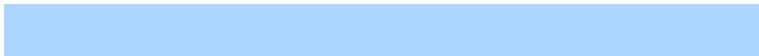
75.3895, 65.4674, 94.9398

Square

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



48.8880, 65.4674, 70.3814



61.9092, 65.4674, 121.0790



77.7901, 65.4674, 72.1920



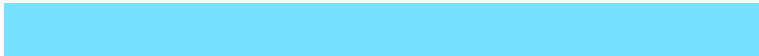
62.5414, 65.4674, 37.4426

Rectangle

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



48.8880, 65.4674, 70.3814



53.1886, 65.4674, 107.0715



77.7901, 65.4674, 72.1920



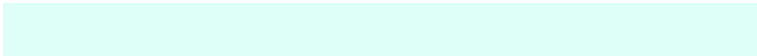
72.2305, 65.4674, 44.5163

Sweetspot

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



48.8899, 65.4700, 70.3829



82.8179, 93.8178, 102.7410



45.1107, 64.3780, 31.5225



17.3258, 19.8787, 21.7733



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.



48.8899, 65.4700, 70.3829



58.2772, 81.5030, 86.3914



44.4460, 52.3669, 81.8971



14.6748, 16.2833, 17.8181



20.9076, 33.9951, 31.0775



1.5770, 2.5249, 2.4648

Inverse Universe

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



46.0175, 35.1267, 33.6353



54.1934, 38.1650, 33.9991



48.7700, 43.0148, 27.2061



14.4967, 14.4159, 15.5500



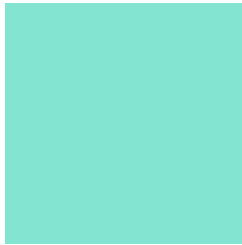
18.8001, 9.6543, 2.5765



1.4223, 0.7266, 0.3643

Previews

White Background



This preview shows how the XYZ color 48.8880, 65.4674, 70.3814 looks on a white background.

Color Contrast Check

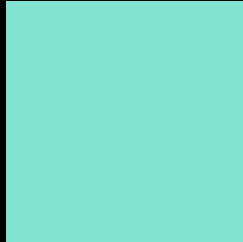
Large Text (above 18pt) WCAG AA × Fail

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 48.8880, 65.4674, 70.3814 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

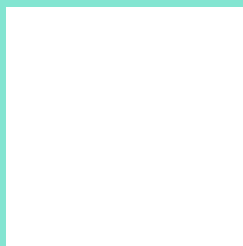
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8880, 65.4674, 70.3814

Background



This preview shows how black text looks on a background with the XYZ color 48.8880, 65.4674, 70.3814.

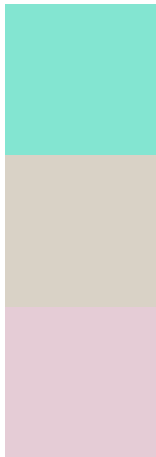


This preview shows how white text looks on a background with the XYZ color 48.8880, 65.4674,

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

48.8880, 65.4674, 70.3814

Protanopia

61.8549, 64.9221, 62.6972

Deuteranopia

66.0436, 64.6988, 72.6256



Tritanopia

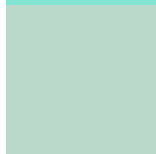
53.4979, 65.2976, 93.7885

Trichromacy



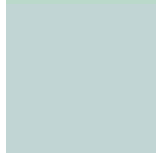
Original Color

48.8880, 65.4674, 70.3814



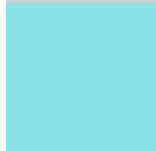
Protanomaly

55.7232, 64.3291, 65.3569



Deuteranomaly

57.6702, 63.6794, 71.5392



Tritanomaly

51.7958, 65.4242, 84.7611

Monochromacy



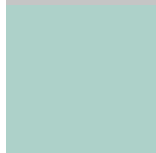
Original Color

48.8880, 65.4674, 70.3814



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.5767, 58.7022, 63.9233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8880, 65.4674, 70.3814 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(131, 229, 209)` looks like.

```
.text, #text, p{  
    color:rgb(131, 229, 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(131, 229, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 229, 209) }
```

Border

The CSS property to change the border of an element to XYZ 48.8880, 65.4674, 70.3814 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(131, 229, 209) }
```


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

```
.border{ border-color:rgb(131, 229, 209) }
```

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

Here you see how a box with a 4 pixel rgb(131, 229, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 229, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 229, 209);  
box-shadow:4px 4px 4px 4px rgb(131, 229,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8880, 65.4674, 70.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 229, 209) }
```

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

```
.background{ background-color: rgb(131,  
229, 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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