

Converting Colors

XYZ(48.0379, 63.8418, 70.8920)

Have a look what the booklet for
XYZ(48.0379, 63.8418, 70.8920)
contains.

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Color

**XYZ(48.0351, 63.7917,
70.7541)**

Conversions

Conversions Part 1

Format	Color
Hex	82E2D2
RGB	130, 226, 210
RGB Percent	51%, 89%, 82%
CMY	0.4902, 0.1137, 0.1765
CMYK	0.42, 0.00, 0.07, 0.11
HSL	170°, 62%, 70%
HSV	170°, 42%, 89%
XYZ	48.0351, 63.7917, 70.7541
YIQ	195.4720, -52.0800, -25.3280

Conversions

Conversions Part 2

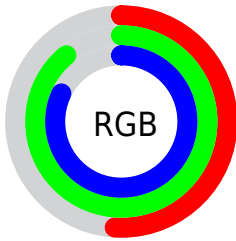
Format	Color
R_{YB}	130, 182, 226
Decimal	8577746
CIE _{Lab}	83.86, -32.15, -1.06
CIE _{LCh}	84, 32.167, 181.896
Y _{xy}	63.7917, 0.2631, 0.3494
Android (android.graphics.Color)	4286767826 (0xFF82E2D2)
YUV	195.4720, 7.1623, -57.4189
Hunter-Lab	79.8697, -32.4188, 3.3856

Details

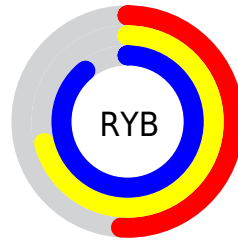
The XYZ color **48.0351, 63.7917, 70.7541** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.5371, 34.2110, 31.4524**, and the grayscale version is **52.1357, 54.8508, 59.7325**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.1231, 32.5662, 36.5197** is the 20% darker color. If you saturate the color by 10%, you get **44.4785, 62.0134, 68.1675**, and if you desaturate by 10%, it is **52.3677, 65.9720, 73.4375**.

Distribution



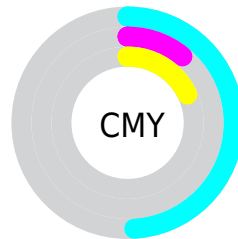
- Red (51%)
- Green (89%)
- Blue (82%)



- Red (51%)
- Yellow (71%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0351, 63.7917, 70.7541 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 48.0351, 63.7917, 70.7541 by changing the saturation by 10% instead.


 48.0351, 63.7917,
70.7541


 48.0351, 63.7917,
70.7541


369.5115,
438.4370, 482.0538


 34.0661, 46.4820,
51.6610


 86.4660, 110.3109,
121.9747

 23.1075, 32.6263,
36.3545


 111.6586,
140.2892, 154.9392

 14.7940, 21.8403,
24.4163


 141.3231,
175.2591, 193.3647

 8.7603, 13.7396,
15.4276

175.8249,
215.6050, 237.6695

 4.6410, 7.9398,
8.9701

215.5292,
261.7114, 288.2723

 2.0708, 4.0565,
4.6251

260.8016,

 0.6733, 1.7052,

313.9626, 345.5916

1.9742

312.0072,
372.7430, 410.0459

■ 0.0000, 0.4270,
0.5393

■ 0.0000, 0.0000,
0.0000

■ 48.0351, 63.7917,
70.7541

■ 48.0351, 63.7917,
70.7541

■ 44.4785, 62.0134,
68.1675

■ 52.3677, 65.9720,
73.4375

■ 41.6419, 60.6034,
65.6704


■ 57.5167, 68.5702,
76.2158


■ 39.4707, 59.5352,
63.2614


■ 63.5262, 71.6108,
79.0929


■ 37.8998, 58.7752,
60.9371


■ 70.4356, 75.1139,
82.0708


 36.8508, 58.2830,
58.6932


 78.2816, 79.0986,
85.1519

 36.3104, 58.0401,
57.0536

 83.0891, 81.5156,
88.1503

 83.6320, 81.7327,
91.0091

 84.1864, 81.9545,
93.9287

 84.7525, 82.1809,
96.9095

Harmonies

Analogous

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



49.4141, 63.7917, 52.6850



48.0351, 63.7917, 70.7541



49.8074, 63.7917, 92.1266

Triad

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



48.0351, 63.7917, 70.7541



68.1022, 63.7917, 108.0327



67.2641, 63.7917, 40.4654

Complementary

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



48.0351, 63.7917, 70.7541



44.5371, 34.2110, 31.4524

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.



72.9214, 63.7917, 50.8515



48.0351, 63.7917, 70.7541



73.4311, 63.7917, 89.4601

Square

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



48.0351, 63.7917, 70.7541



61.0829, 63.7917, 116.0875



75.2588, 63.7917, 68.1785



60.1835, 63.7917, 37.3612

Rectangle

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



48.0351, 63.7917, 70.7541



52.6242, 63.7917, 104.8183



75.2588, 63.7917, 68.1785



69.4137, 63.7917, 43.1063

Sweetspot

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



48.0369, 63.7942, 70.7556



83.0112, 93.8951, 103.7592



43.3680, 62.2657, 30.8529



17.3739, 19.8980, 22.0268



0.0000, 0.0000, 0.0000



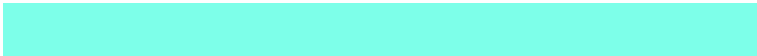
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0369, 63.7942, 70.7556



58.9642, 81.7778, 90.0091



42.5851, 49.5386, 79.2719



14.0133, 15.5311, 17.1054



20.7523, 33.1258, 32.7482



1.4648, 2.3067, 2.4090

Inverse Universe

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



44.5371, 34.2110, 31.4524



53.8046, 38.0095, 31.9517



48.0356, 43.0629, 26.9004



13.8000, 13.7376, 14.7169



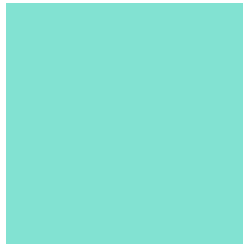
18.1191, 9.3146, 2.0268



1.2845, 0.6571, 0.2910

Previews

White Background



This preview shows how the XYZ color 48.0351, 63.7917, 70.7541 looks on a white background.

Color Contrast Check

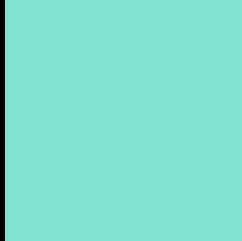
Large Text (above 18pt) WCAG AA × Fail

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 48.0351, 63.7917, 70.7541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

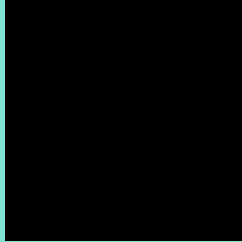
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0351, 63.7917, 70.7541

Background



This preview shows how black text looks on a background with the XYZ color 48.0351, 63.7917, 70.7541.

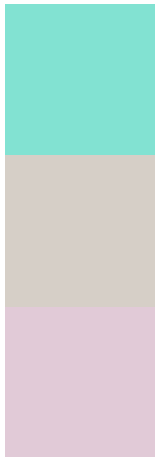


This preview shows how white text looks on a background with the XYZ color 48.0351, 63.7917,

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

48.0351, 63.7917, 70.7541

Protanopia

60.3532, 63.0453, 63.0208

Deuteranopia

64.4376, 63.1549, 73.0839



Tritanopia

52.1825, 63.8778, 91.2407

Trichromacy



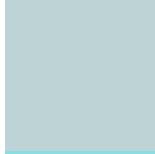
Original Color

48.0351, 63.7917, 70.7541



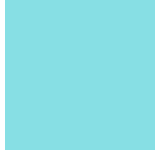
Protanomaly

54.3545, 62.4722, 65.6935



Deuteranomaly

56.5397, 62.3398, 72.0036



Tritanomaly

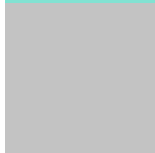
50.3829, 63.5277, 83.0054

Monochromacy



Original Color

48.0351, 63.7917, 70.7541



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2912, 56.9707, 63.0421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0351, 63.7917, 70.7541 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(130, 226, 210)` looks like.

```
.text, #text, p{  
    color:rgb(130, 226, 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(130, 226, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 226, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.0351, 63.7917, 70.7541 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(130, 226, 210) }
```


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

```
.border{ border-color:rgb(130, 226, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 226, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 226, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 226, 210);  
box-shadow:4px 4px 4px 4px rgb(130, 226,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0351, 63.7917, 70.7541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 226, 210) }
```

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

```
.background{ background-color: rgb(130,  
226, 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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