

Converting Colors

XYZ(48.6463, 64.5361, 65.7638)

Have a look what the booklet for
XYZ(48.6463, 64.5361, 65.7638)
contains.

XYZ(48.7772, 64.6914, 65.7930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.7772, 64.6914,
65.7930)**

Conversions

Conversions Part 1

Format	Color
Hex	8BE3CA
RGB	139, 227, 202
RGB Percent	55%, 89%, 79%
CMY	0.4549, 0.1098, 0.2078
CMYK	0.39, 0.00, 0.11, 0.11
HSL	163°, 61%, 72%
HSV	163°, 39%, 89%
XYZ	48.7772, 64.6914, 65.7930
YIQ	197.8380, -44.4230, -26.4310

Conversions

Conversions Part 2

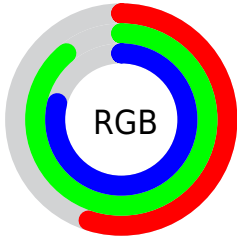
Format	Color
RYB	139, 190, 227
Decimal	9167818
CIELab	84.32, -32.12, 3.89
CIELCh	84, 32.358, 173.097
Yxy	64.6914, 0.2721, 0.3609
Android (android.graphics.Color)	4287357898 (0xFF8BE3CA)
YUV	197.8380, 2.0519, -51.6009
Hunter-Lab	80.4310, -32.5032, 7.8021

Details

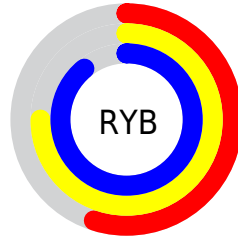
The XYZ color **48.7772, 64.6914, 65.7930** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.6142, 37.4781, 39.8488**, and the grayscale version is **53.5868, 56.3775, 61.3951**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **23.5644, 33.1488, 33.1734** is the 20% darker color. If you saturate the color by 10%, you get **44.6258, 62.6394, 61.6963**, and if you desaturate by 10%, it is **53.7511, 67.1671, 70.0976**.

Distribution



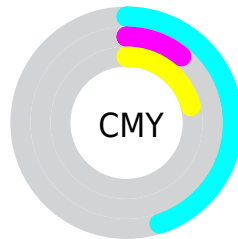
- Red (55%)
- Green (89%)
- Blue (79%)



- Red (55%)
- Yellow (75%)
- Blue (89%)



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



- Cyan (45%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7772, 64.6914, 65.7930 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 48.7772, 64.6914, 65.7930 by changing the saturation by 10% instead.

 48.7772, 64.6914,
65.7930


 48.7772, 64.6914,
65.7930


372.3961,
441.6822, 464.0202

 34.6566, 47.2109,
47.6490


 87.5632, 111.6061,
114.8133

 23.5637, 33.2024,
33.1910


 112.9592,
141.8090, 146.5267

 15.1333, 22.2815,
22.0005


142.8445,
177.0216, 183.6003

 8.9999, 14.0639,
13.6589

177.5843,
217.6281, 226.4527

 4.7982, 8.1651,
7.7478

217.5440,
264.0131, 275.5023

 2.1629, 4.2008,
3.8485

263.0890,

 0.7231, 1.7865,

316.5608, 331.1677

1.5426

314.5845,
375.6557, 393.8675

■ 0.0000, 0.4787,
0.2494

■ 0.0000, 0.0000,
0.0000

■ 48.7772, 64.6914,
65.7930

■ 48.7772, 64.6914,
65.7930

■ 44.6258, 62.6394,
61.6963

■ 53.7511, 67.1671,
70.0976

■ 41.2421, 60.9777,
57.7988


■ 59.5872, 70.0819,
74.6097


■ 38.5727, 59.6808,
54.0973


■ 66.3293, 73.4600,
79.3348


■ 36.5553, 58.7164,
50.5868


■ 74.0164, 77.3214,
84.2766


 35.1161, 58.0465,
47.2618


 82.6853, 81.6851,
89.4386


 34.1435, 57.6138,
44.1147

 84.5424, 82.5333,
94.4580

 34.0372, 57.5672,
43.7379

 85.5216, 82.9250,
99.6143

 86.5352, 83.3305,
104.9520

 86.7602, 83.4205,
106.1367

Harmonies

Analogous

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



51.0970, 64.6914, 49.2681



48.7772, 64.6914, 65.7930



49.6447, 64.6914, 87.1112

Triad

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



48.7772, 64.6914, 65.7930



67.0625, 64.6914, 113.4151



70.1532, 64.6914, 43.3203

Complementary

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



48.7772, 64.6914, 65.7930



47.6142, 37.4781, 39.8488

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.



75.0775, 64.6914, 56.0408



48.7772, 64.6914, 65.7930



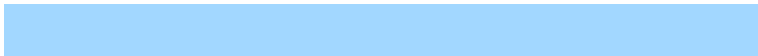
73.1983, 64.6914, 96.9402

Square

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



48.7772, 64.6914, 65.7930



59.8432, 64.6914, 117.4207



76.2331, 64.6914, 75.2965



63.1611, 64.6914, 38.0312

Rectangle

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



48.7772, 64.6914, 65.7930



51.9492, 64.6914, 101.0455



76.2331, 64.6914, 75.2965



72.1267, 64.6914, 46.7344

Sweetspot

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



48.7790, 64.6940, 65.7945



83.3062, 94.1039, 101.2085



47.7317, 64.8472, 34.4282



17.5805, 20.0166, 21.4889



0.0000, 0.0000, 0.0000



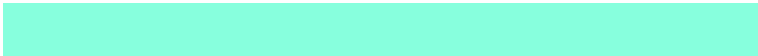
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7790, 64.6940, 65.7945



58.8202, 81.9011, 81.0793



47.4133, 56.8349, 81.1473



14.6237, 16.2629, 17.5490



19.9023, 33.5930, 25.7834



1.5101, 2.4982, 2.1128

Inverse Universe

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



47.6142, 37.4781, 39.8488



57.1052, 41.5020, 42.6360



48.3302, 42.1756, 30.0206



14.5445, 14.4350, 15.8017



19.0663, 9.7607, 3.9781



1.4479, 0.7369, 0.4990

Previews

White Background



This preview shows how the XYZ color 48.7772, 64.6914, 65.7930 looks on a white background.

Color Contrast Check

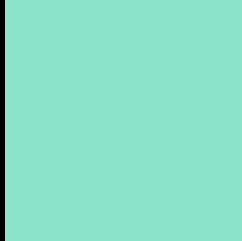
Large Text (above 18pt) WCAG AA × Fail

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 48.7772, 64.6914, 65.7930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

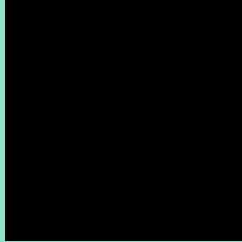
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7772, 64.6914, 65.7930

Background



This preview shows how black text looks on a background with the XYZ color 48.7772, 64.6914, 65.7930.



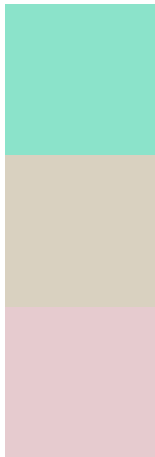
This preview shows how white text looks on a background with the XYZ color 48.7772, 64.6914,

65.7930.

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

48.7772, 64.6914, 65.7930

Protanopia

60.9302, 64.1584, 59.0416

Deuteranopia

65.2515, 64.0399, 67.9533



Tritanopia

53.9140, 64.7704, 91.3217

Trichromacy



Original Color

48.7772, 64.6914, 65.7930



Protanomaly

55.5059, 63.9161, 61.6361



Deuteranomaly

57.5889, 63.3651, 66.9530



Tritanomaly

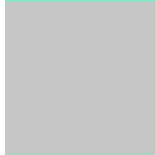
52.0602, 64.8220, 81.7195

Monochromacy



Original Color

48.7772, 64.6914, 65.7930



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.2407, 59.0716, 62.7341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7772, 64.6914, 65.7930 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(139, 227, 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(139, 227, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 227, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.7772, 64.6914, 65.7930 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, 202) }
```


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

```
.border{ border-color:rgb(139, 227, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 227, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 227, 202);  
box-shadow:4px 4px 4px 4px rgb(139, 227,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7772, 64.6914, 65.7930 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, 202) }
```

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

```
.background{ background-color: rgb(139,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor