

Converting Colors

XYZ(48.9802, 63.3859, 77.3691)

Have a look what the booklet for
XYZ(48.9802, 63.3859, 77.3691)
contains.

XYZ(48.9340, 63.3039, 77.3499)	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(48.9340, 63.3039,
77.3499)**

Conversions

Conversions Part 1

Format	Color
Hex	83E0DC
RGB	131, 224, 220
RGB Percent	51%, 88%, 86%
CMY	0.4863, 0.1216, 0.1372
CMYK	0.42, 0.00, 0.02, 0.12
HSL	177°, 60%, 70%
HSV	177°, 42%, 88%
XYZ	48.9340, 63.3039, 77.3499
YIQ	195.7370, -54.1440, -20.9600

Conversions

Conversions Part 2

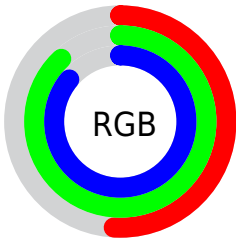
Format	Color
RYB	131, 179, 224
Decimal	8642780
CIELab	83.60, -28.58, -6.73
CIELCh	84, 29.362, 193.246
Yxy	63.3039, 0.2581, 0.3339
Android (android.graphics.Color)	4286832860 (0xFF83E0DC)
YUV	195.7370, 11.9617, -56.7743
Hunter-Lab	79.5637, -29.4539, -1.9456

Details

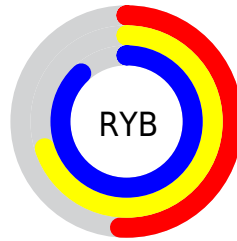
The XYZ color **48.9340, 63.3039, 77.3499** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.2321, 33.8310, 27.1755**, and the grayscale version is **52.2672, 54.9892, 59.8833**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **23.5418, 32.1383, 40.5598** is the 20% darker color. If you saturate the color by 10%, you get **45.7058, 61.6560, 76.5356**, and if you desaturate by 10%, it is **52.9166, 65.3437, 78.2062**.

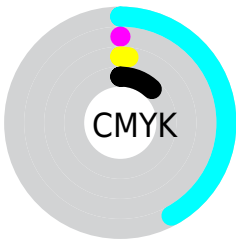
Distribution



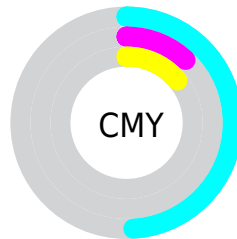
- Red (51%)
- Green (88%)
- Blue (86%)



- Red (51%)
- Yellow (70%)
- Blue (88%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (49%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9340, 63.3039, 77.3499 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 48.9340, 63.3039, 77.3499 by changing the saturation by 10% instead.


 48.9340, 63.3039,
77.3499


 48.9340, 63.3039,
77.3499


373.0037,
436.6716, 505.4255


 34.7814, 46.0871,
57.0268


 87.7947, 109.6078,
131.4108

 23.6603, 32.3146,
40.6173

 113.2336,
139.4638, 165.9857

 15.2052, 21.6019,
27.7027


 143.1653,
174.3015, 206.1483

 9.0508, 13.5647,
17.8646

177.9552,
214.5055, 252.3171

 4.8317, 7.8185,
10.6844

217.9687,
260.4601, 304.9107

 2.1826, 3.9790,
5.7435

263.5710,

 0.7335, 1.6618,

312.5497, 364.3476

2.6235

315.1275,
371.1587, 431.0464

■ 0.0000, 0.3988,
0.9046

■ 0.0000, 0.0000,
0.0000

■ 48.9340, 63.3039,
77.3499

■ 48.9340, 63.3039,
77.3499

■ 45.7058, 61.6560,
76.5356

■ 52.9166, 65.3437,
78.2062

■ 43.1777, 60.3673,
75.7564

■ 57.6925, 67.7909,
79.1020


■ 41.2969, 59.4122,
75.0115


■ 63.3045, 70.6690,
80.0408


■ 40.0008, 58.7585,
74.2976


■ 69.7908, 73.9978,
81.0244


 39.2144, 58.3675,
73.6115


 77.1872, 77.7956,
82.0545

 38.8408, 58.1870,
73.0462

 81.5948, 80.0526,
82.9486

 81.7273, 80.1056,
83.6465

 81.8606, 80.1589,
84.3483

 81.9946, 80.2125,
85.0540

Harmonies

Analogous

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



49.1046, 63.3039, 59.2296



48.9340, 63.3039, 77.3499



51.6166, 63.3039, 96.0989

Triad

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



48.9340, 63.3039, 77.3499



69.0290, 63.3039, 98.0214



63.7977, 63.3039, 40.3127

Complementary

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



48.9340, 63.3039, 77.3499



43.2321, 33.8310, 27.1755

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.



69.6163, 63.3039, 47.4307



48.9340, 63.3039, 77.3499



72.7806, 63.3039, 79.6294

Square

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



48.9340, 63.3039, 77.3499



63.0417, 63.3039, 109.3875



73.0029, 63.3039, 61.1392



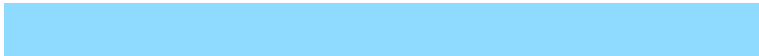
57.3839, 63.3039, 39.9222

Rectangle

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



48.9340, 63.3039, 77.3499



54.7805, 63.3039, 105.5633



73.0029, 63.3039, 61.1392



65.8986, 63.3039, 41.9313

Sweetspot

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



48.9359, 63.3064, 77.3514



84.4633, 94.5668, 107.3016



40.8509, 60.1575, 30.9327



17.8544, 20.1261, 22.9309



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.



48.9359, 63.3064, 77.3514



61.7661, 82.9421, 102.7966



39.5753, 43.7266, 76.8780



14.0898, 15.5616, 17.5079



22.6187, 33.8723, 42.5765



1.5758, 2.3510, 2.9934

Inverse Universe

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



43.2321, 33.8310, 27.1755



53.1269, 38.2613, 26.7707



49.7543, 47.3179, 27.9851



13.7310, 13.7100, 14.3538



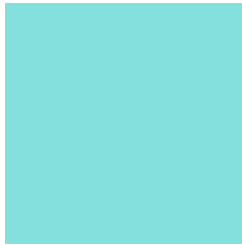
17.9347, 9.2409, 1.0558



1.2517, 0.6439, 0.1182

Previews

White Background



This preview shows how the XYZ color 48.9340, 63.3039, 77.3499 looks on a white background.

Color Contrast Check

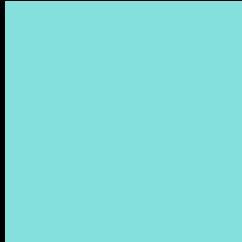
Large Text (above 18pt) WCAG AA × Fail

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 48.9340, 63.3039, 77.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

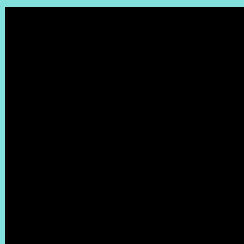
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

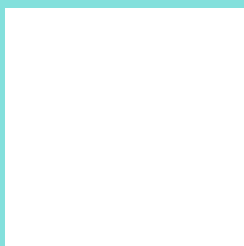
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9340, 63.3039, 77.3499

Background



This preview shows how black text looks on a background with the XYZ color 48.9340, 63.3039, 77.3499.

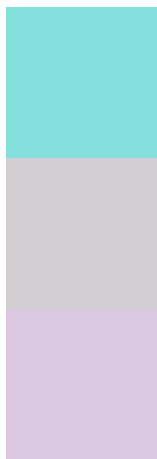


This preview shows how white text looks on a background with the XYZ color 48.9340, 63.3039,

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

48.9340, 63.3039, 77.3499

Protanopia

60.1583, 62.4477, 69.2045

Deuteranopia

63.6907, 62.2696, 79.8965



Tritanopia

51.5898, 63.1791, 91.1371

Trichromacy



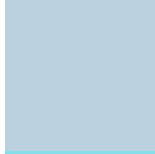
Original Color

48.9340, 63.3039, 77.3499



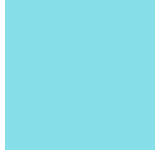
Protanomaly

54.8605, 62.2164, 72.0683



Deuteranomaly

56.6133, 61.4934, 78.6976



Tritanomaly

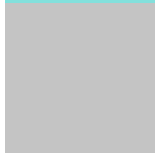
50.5183, 63.1371, 85.8680

Monochromacy



Original Color

48.9340, 63.3039, 77.3499



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.1040, 57.3210, 66.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9340, 63.3039, 77.3499 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, 224, 220)` looks like.

```
.text, #text, p{  
    color:rgb(131, 224, 220)  
}
```

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, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 224, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.9340, 63.3039, 77.3499 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, 224, 220) }
```


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

```
.border{ border-color:rgb(131, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 224, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 224, 220); box-shadow:4px 4px 4px 4px rgb(131, 224, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9340, 63.3039, 77.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 224, 220) }
```

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

```
.background{ background-color: rgb(131,  
224, 220) }
```

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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