

Converting Colors

XYZ(47.9673, 62.9705, 80.0938)

Have a look what the booklet for
XYZ(47.9673, 62.9705, 80.0938)
contains.

XYZ(48.1255, 63.2253, 80.1882)	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(48.1255, 63.2253,
80.1882)**

Conversions

Conversions Part 1

Format	Color
Hex	78E1E0
RGB	120, 225, 224
RGB Percent	47%, 88%, 88%
CMY	0.5294, 0.1176, 0.1216
CMYK	0.47, 0.00, 0.00, 0.12
HSL	179°, 64%, 68%
HSV	179°, 47%, 88%
XYZ	48.1255, 63.2253, 80.1882
YIQ	193.4910, -62.2590, -22.5710

Conversions

Conversions Part 2

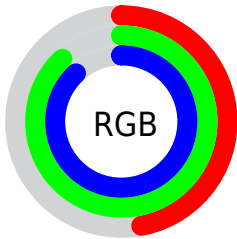
Format	Color
RYB	120, 173, 225
Decimal	7922144
CIELab	83.56, -30.62, -8.96
CIELCh	84, 31.905, 196.302
Yxy	63.2253, 0.2513, 0.3301
Android (android.graphics.Color)	4286112224 (0xFF78E1E0)
YUV	193.4910, 15.0409, -64.4516
Hunter-Lab	79.5143, -31.1142, -4.1324

Details

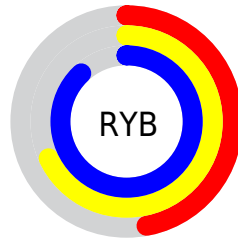
The XYZ color **48.1255, 63.2253, 80.1882** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.2212, 30.8229, 21.8683**, and the grayscale version is **50.9197, 53.5714, 58.3393**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **23.0943, 32.1400, 42.5226** is the 20% darker color. If you saturate the color by 10%, you get **45.3356, 61.7919, 79.9071**, and if you desaturate by 10%, it is **51.6524, 65.0416, 80.5068**.

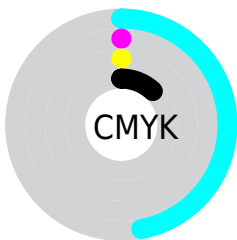
Distribution



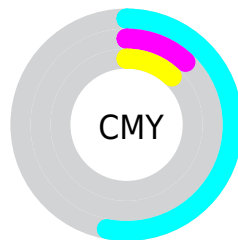
- Red (47%)
- Green (88%)
- Blue (88%)



- Red (47%)
- Yellow (68%)
- Blue (88%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (53%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1255, 63.2253, 80.1882 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 48.1255, 63.2253, 80.1882 by changing the saturation by 10% instead.


 48.1255, 63.2253,
80.1882


 48.1255, 63.2253,
80.1882


369.8637,
436.3867, 515.2903


 34.1379, 46.0235,
59.3462


 86.5998, 109.4945,
135.4441

 23.1630, 32.2644,
42.4700


 111.8173,
139.3307, 170.6950

 14.8353, 21.5635,
29.1412


 141.5087,
174.1471, 211.5860

 8.7894, 13.5365,
18.9411

176.0396,
214.3281, 258.5355

 4.6601, 7.7990,
11.4514

215.7751,
260.2582, 311.9622

 2.0819, 3.9666,
6.2533

261.0807,

 0.6794, 1.6549,

312.3218, 372.2845

2.9285

312.3218,
370.9031, 439.9211

■ 0.0000, 0.3942,
1.0582

■ 0.0000, 0.0000,
0.0000

■ 48.1255, 63.2253,
80.1882

■ 48.1255, 63.2253,
80.1882

■ 45.3356, 61.7919,
79.9071

■ 51.6524, 65.0416,
80.5068

■ 43.2247, 60.7071,
79.6565


■ 55.9575, 67.2576,
80.8606


■ 41.7360, 59.9429,
79.4352


■ 61.0861, 69.8981,
81.2532


■ 40.8002, 59.4639,
79.2401


■ 67.0780, 72.9836,
81.6863


 40.3297, 59.2247,
79.0668


 73.9706, 76.5335,
82.1618

 40.2261, 59.1724,
79.0116

 81.7964, 80.5645,
82.6812

 81.8258, 80.5763,
82.8359

 81.8552, 80.5880,
82.9908

 81.8847, 80.5998,
83.1458

Harmonies

Analogous

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



47.9897, 63.2253, 60.1457



48.1255, 63.2253, 80.1882



51.3014, 63.2253, 100.4905

Triad

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



48.1255, 63.2253, 80.1882



70.3143, 63.2253, 98.9119



63.3240, 63.2253, 37.8767

Complementary

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



48.1255, 63.2253, 80.1882



41.2212, 30.8229, 21.8683

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.



69.8373, 63.2253, 44.6514



48.1255, 63.2253, 80.1882



74.0790, 63.2253, 78.3377

Square

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



48.1255, 63.2253, 80.1882



63.9350, 63.2253, 112.6475



73.8979, 63.2253, 58.6193



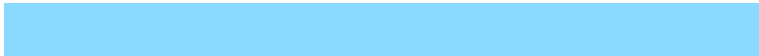
56.4095, 63.2253, 38.1806

Rectangle

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



48.1255, 63.2253, 80.1882



54.8661, 63.2253, 110.3120



73.8979, 63.2253, 58.6193



65.6434, 63.2253, 39.3354

Sweetspot

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



48.1274, 63.2278, 80.1897



83.0589, 93.8247, 108.0527



38.3081, 59.3283, 27.2033



17.4271, 19.9016, 23.1019



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.



48.1274, 63.2278, 80.1897



60.2989, 82.1104, 106.1322



36.5228, 39.8003, 76.9941



14.1107, 15.5700, 17.6180



23.1819, 34.0976, 45.5425



1.6087, 2.3642, 3.1665

Inverse Universe

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



41.2212, 30.8229, 21.8683



50.0687, 34.0975, 19.7321



48.9595, 46.3974, 24.1460



13.7125, 13.7027, 14.2565



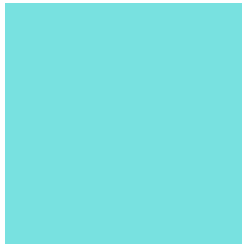
17.9024, 9.2280, 0.8858



1.2428, 0.6404, 0.0714

Previews

White Background



This preview shows how the XYZ color 48.1255, 63.2253, 80.1882 looks on a white background.

Color Contrast Check

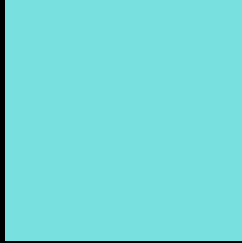
Large Text (above 18pt) WCAG AA × Fail

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 48.1255, 63.2253, 80.1882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

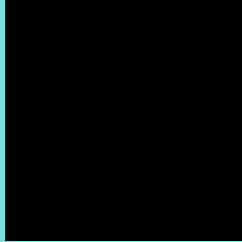
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1255, 63.2253, 80.1882

Background



This preview shows how black text looks on a background with the XYZ color 48.1255, 63.2253, 80.1882.



This preview shows how white text looks on a background with the XYZ color 48.1255, 63.2253,

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

48.1255, 63.2253, 80.1882

Protanopia

60.3760, 62.5020, 71.8327

Deuteranopia

63.6448, 62.1821, 82.7767



Tritanopia

50.3069, 62.8938, 91.9263

Trichromacy



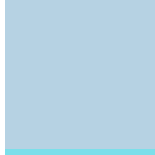
Original Color

48.1255, 63.2253, 80.1882



Protanomaly

54.4501, 61.9454, 74.7325



Deuteranomaly

56.2031, 61.5843, 81.5978



Tritanomaly

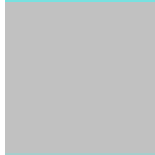
49.4073, 62.9268, 87.3840

Monochromacy



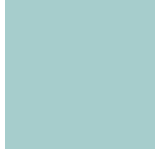
Original Color

48.1255, 63.2253, 80.1882



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.4563, 56.1293, 65.4069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1255, 63.2253, 80.1882 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(120, 225, 224)` looks like.

```
.text, #text, p{  
    color:rgb(120, 225, 224)  
}
```

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(120, 225, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 225, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.1255, 63.2253, 80.1882 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(120, 225, 224) }
```


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

```
.border{ border-color:rgb(120, 225, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 225, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(120, 225,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1255, 63.2253, 80.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 225, 224) }
```

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

```
.background{ background-color: rgb(120,  
225, 224) }
```

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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