

Converting Colors

XYZ(48.3044, 63.3265, 81.1401)

Have a look what the booklet for
XYZ(48.3044, 63.3265, 81.1401)
contains.

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Color

**XYZ(48.2615, 63.2797,
80.9047)**

Conversions

Conversions Part 1

Format	Color
Hex	78E1E1
RGB	120, 225, 225
RGB Percent	47%, 88%, 88%
CMY	0.5294, 0.1176, 0.1176
CMYK	0.47, 0.00, 0.00, 0.12
HSL	180°, 64%, 68%
HSV	180°, 47%, 88%
XYZ	48.2615, 63.2797, 80.9047
YIQ	193.6050, -62.5800, -22.2600

Conversions

Conversions Part 2

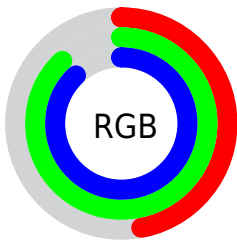
Format	Color
RYB	120, 173, 225
Decimal	7922145
CIELab	83.59, -30.37, -9.44
CIELCh	84, 31.804, 197.271
Yxy	63.2797, 0.2508, 0.3288
Android (android.graphics.Color)	4286112225 (0xFF78E1E1)
YUV	193.6050, 15.4777, -64.5516
Hunter-Lab	79.5485, -30.9153, -4.6168

Details

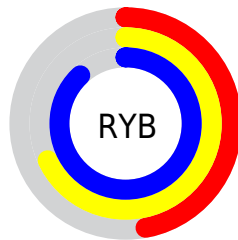
The XYZ color **48.2615, 63.2797, 80.9047** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.1601, 30.7984, 21.5467**, and the grayscale version is **50.9844, 53.6396, 58.4135**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **23.1886, 32.1778, 43.0190** is the 20% darker color. If you saturate the color by 10%, you get **45.5006, 61.8579, 80.7766**, and if you desaturate by 10%, it is **51.7593, 65.0843, 81.0701**.

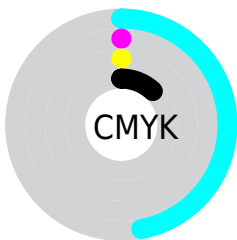
Distribution



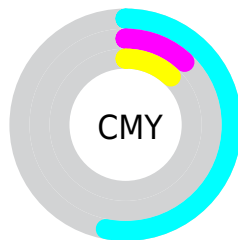
- Red (47%)
- Green (88%)
- Blue (88%)



- 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 48.2615, 63.2797, 80.9047 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 48.2615, 63.2797, 80.9047 by changing the saturation by 10% instead.

■ 48.2615, 63.2797,
80.9047

■ 48.2615, 63.2797,
80.9047

370.3931,
436.5839, 517.7635

■ 34.2461, 46.0675,
59.9326

■ 86.8010, 109.5729,
136.4598

■ 23.2465, 32.2991,
42.9393

■ 112.0558,
139.4228, 171.8799

■ 14.8973, 21.5901,
29.5065

■ 141.7878,
174.2540, 212.9530

■ 8.8332, 13.5560,
19.2154

176.3623,
214.4509, 260.0977

■ 4.6888, 7.8125,
11.6477

216.1448,
260.3979, 313.7326

■ 2.0987, 3.9752,
6.3846

261.5005,

■ 0.6885, 1.6597,

312.4795, 374.2762

3.0078

312.7948,
371.0800, 442.1469

■ 0.0000, 0.3974,
1.0986

■ 0.0000, 0.0000,
0.0000

■ 48.2615, 63.2797,
80.9047

■ 48.2615, 63.2797,
80.9047

■ 45.5006, 61.8579,
80.7766

■ 51.7593, 65.0843,
81.0701

■ 43.4188, 60.7847,
80.6788


■ 56.0353, 67.2887,
81.2706


■ 41.9591, 60.0322,
80.6101


■ 61.1347, 69.9175,
81.5096


■ 41.0523, 59.5647,
80.5674

■ 67.0973, 72.9914,
81.7889

 40.6106, 59.3371,
80.5464


 73.9607, 76.5296,
82.1105

 40.5167, 59.2886,
80.5419

 81.7574, 80.5489,
82.4757

 81.7575, 80.5489,
82.4760

 81.7576, 80.5490,
82.4764

 81.7576, 80.5490,
82.4767

Harmonies

Analogous

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



48.0251, 63.2797, 60.8046



48.2615, 63.2797, 80.9047



51.5229, 63.2797, 101.0257

Triad

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



48.2615, 63.2797, 80.9047



70.5099, 63.2797, 98.2812



63.1394, 63.2797, 37.8960

Complementary

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



48.2615, 63.2797, 80.9047



41.1601, 30.7984, 21.5467

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.



69.6801, 63.2797, 44.4294



48.2615, 63.2797, 80.9047



74.1507, 63.2797, 77.6856

Square

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



48.2615, 63.2797, 80.9047



64.2025, 63.2797, 112.3091



73.8358, 63.2797, 58.1472



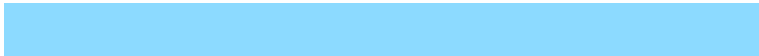
56.2630, 63.2797, 38.4258

Rectangle

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



48.2615, 63.2797, 80.9047



55.1267, 63.2797, 110.5911



73.8358, 63.2797, 58.1472



65.4599, 63.2797, 39.2767

Sweetspot

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



48.2634, 63.2822, 80.9062



83.1136, 93.8466, 108.3408



38.3080, 59.3283, 27.2032



17.4406, 19.9070, 23.1730



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.



48.2634, 63.2822, 80.9062



60.5171, 82.1977, 107.2814



36.5227, 39.8002, 76.9941



14.1166, 15.5724, 17.6494



23.3467, 34.1635, 46.4102



1.6183, 2.3680, 3.2169

Inverse Universe

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



41.1601, 30.7984, 21.5467



49.9922, 34.0669, 19.3293



48.9594, 46.3973, 24.1459



13.7073, 13.7006, 14.2289



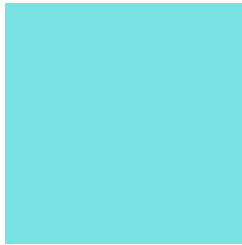
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 48.2615, 63.2797, 80.9047 looks on a white background.

Color Contrast Check

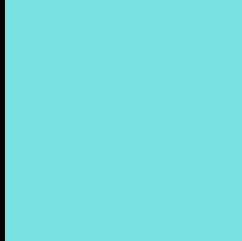
Large Text (above 18pt) WCAG AA × Fail

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 48.2615, 63.2797, 80.9047 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

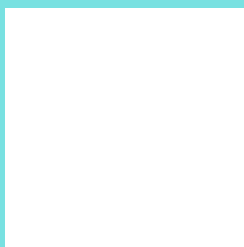
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2615, 63.2797, 80.9047

Background



This preview shows how black text looks on a background with the XYZ color 48.2615, 63.2797, 80.9047.



This preview shows how white text looks on a background with the XYZ color 48.2615, 63.2797,

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

48.2615, 63.2797, 80.9047

Protanopia

60.3760, 62.5020, 71.8327

Deuteranopia

64.0187, 62.7059, 83.5922



Tritanopia

50.7223, 63.4862, 92.7998

Trichromacy



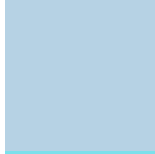
Original Color

48.2615, 63.2797, 80.9047



Protanomaly

54.4501, 61.9454, 74.7325



Deuteranomaly

56.3416, 61.6397, 82.3269



Tritanomaly

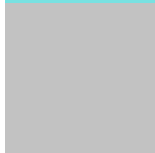
49.8194, 63.5204, 88.2322

Monochromacy



Original Color

48.2615, 63.2797, 80.9047



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.7871, 56.2859, 66.0505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2615, 63.2797, 80.9047 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, 225)` looks like.

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

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, 225) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 48.2615, 63.2797, 80.9047 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, 225) }
```


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

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

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, 225)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 48.2615, 63.2797, 80.9047 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, 225) }
```

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

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

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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