

Converting Colors

XYZ(45.5296, 55.3971, 81.8309)

Have a look what the booklet for
XYZ(45.5296, 55.3971, 81.8309)
contains.

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Color

**XYZ(45.4616, 55.3024,
81.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	80D0E4
RGB	128, 208, 228
RGB Percent	50%, 82%, 89%
CMY	0.4980, 0.1843, 0.1059
CMYK	0.44, 0.09, 0.00, 0.11
HSL	192°, 65%, 70%
HSV	192°, 44%, 89%
XYZ	45.4616, 55.3024, 81.6771
YIQ	186.3600, -54.1000, -10.7400

Conversions

Conversions Part 2

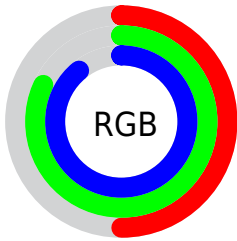
Format	Color
RYB	128, 172, 228
Decimal	8442084
CIELab	79.22, -19.38, -17.56
CIElCh	79, 26.155, 222.172
Yxy	55.3024, 0.2492, 0.3031
Android (android.graphics.Color)	4286632164 (0xFF80D0E4)
YUV	186.3600, 20.5285, -51.1817
Hunter-Lab	74.3656, -21.0181, -13.0634

Details

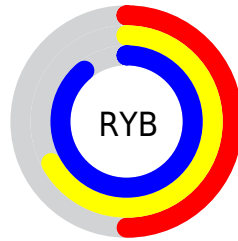
The XYZ color **45.4616, 55.3024, 81.6771** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4822, 39.2335, 25.5467**, and the grayscale version is **46.7857, 49.2222, 53.6029**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **21.5326, 27.1392, 43.6387** is the 20% darker color. If you saturate the color by 10%, you get **41.3144, 51.5390, 81.1702**, and if you desaturate by 10%, it is **50.4146, 59.5312, 82.2333**.

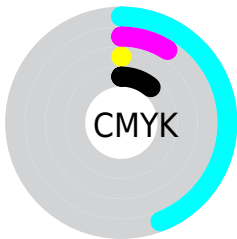
Distribution



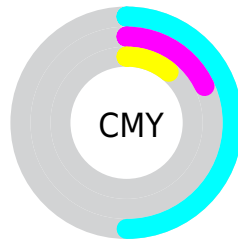
- Red (50%)
- Green (82%)
- Blue (89%)



- Red (50%)
- Yellow (67%)
- Blue (89%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (50%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4616, 55.3024, 81.6771 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 45.4616, 55.3024, 81.6771 by changing the saturation by 10% instead.

45.4616, 55.3024,
81.6771

45.4616, 55.3024,
81.6771

359.3922,
407.0572, 520.4220

32.0240, 39.6439,
60.5652

82.6455, 97.9839,
137.5537

21.5355, 27.2610,
43.4461

107.1224,
125.7756, 173.1554

13.6307, 17.7693,
29.9013

136.0099,
158.3806, 214.4242

7.9442, 10.7845,
19.5122

169.6732,
196.1831, 261.7785

4.1108, 5.9221,
11.8604

208.4778,
239.5677, 315.6369

1.7650, 2.7978,
6.5273

252.7889,

0.4964, 1.0271,

288.9186, 376.4179

3.0944

302.9719,
344.6203, 444.5401

■ 0.0000, 0.0000,
1.1430

■ 0.0000, 0.0000,
0.0000

■ 45.4616, 55.3024,
81.6771

■ 45.4616, 55.3024,
81.6771

■ 41.3144, 51.5390,
81.1702

■ 50.4146, 59.5312,
82.2333

■ 37.9155, 48.2071,
80.7063

■ 56.2160, 64.2440,
82.8372

■ 35.2075, 45.2780,
80.2836

■ 62.9113, 69.4658,
83.4922

■ 33.1223, 42.7163,
79.8991

■ 70.5413, 75.2180,
84.2003

■ 31.5768, 40.4787,
79.5486

■ 79.1441, 81.5207,
84.9635

■ 30.8147, 39.2233,
79.3465

■ 85.0557, 86.4854,
85.6102

■ 86.3807, 89.1353,
86.0518

■ 87.7394, 91.8527,
86.5047

■ 89.1320, 94.6380,
86.9689

Harmonies

Analogous

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



43.3391, 55.3024, 66.4891



45.4616, 55.3024, 81.6771



49.5461, 55.3024, 91.9788

Triad

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



45.4616, 55.3024, 81.6771



62.7221, 55.3024, 69.4633



50.4728, 55.3024, 36.2355

Complementary

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



45.4616, 55.3024, 81.6771



46.4822, 39.2335, 25.5467

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.



55.7005, 55.3024, 36.7620



45.4616, 55.3024, 81.6771



63.0113, 55.3024, 54.3484

Square

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



45.4616, 55.3024, 81.6771



59.6027, 55.3024, 84.1629



60.3685, 55.3024, 42.8861



46.1012, 55.3024, 41.3042

Rectangle

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



45.4616, 55.3024, 81.6771



52.9450, 55.3024, 93.7964



60.3685, 55.3024, 42.8861



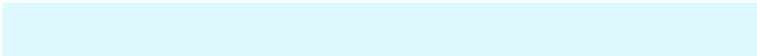
52.1834, 55.3024, 35.7909

Sweetspot

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



45.4633, 55.3045, 81.6784



81.8097, 90.0888, 107.6848



41.8612, 62.1629, 37.1243



17.0741, 18.9478, 23.0073



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.



45.4633, 55.3045, 81.6784



53.5106, 66.6738, 104.6568



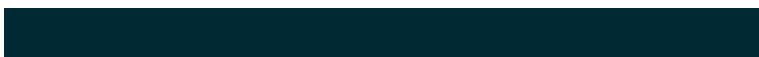
35.4203, 35.2185, 78.3307



14.5498, 15.8210, 18.4312



17.8791, 22.8202, 45.8456



1.3836, 1.8111, 3.4086

Inverse Universe

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



51.1007, 36.4880, 64.0264



61.9382, 40.2568, 77.8843



55.7077, 57.6843, 28.6218



14.8651, 14.5632, 17.4900



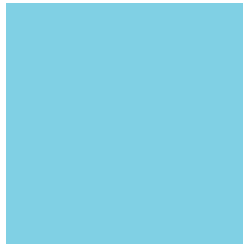
23.4180, 11.5014, 26.8940



1.7620, 0.8625, 2.1533

Previews

White Background



This preview shows how the XYZ color 45.4616, 55.3024, 81.6771 looks on a white background.

Color Contrast Check

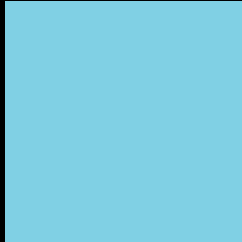
Large Text (above 18pt) WCAG AA × Fail

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 45.4616, 55.3024, 81.6771 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 45.4616, 55.3024, 81.6771

Background



This preview shows how black text looks on a background with the XYZ color 45.4616, 55.3024, 81.6771.



This preview shows how white text looks on a background with the XYZ color 45.4616, 55.3024,

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

45.4616, 55.3024, 81.6771

Protanopia

53.8162, 54.9045, 74.7790

Deuteranopia

55.9612, 54.8236, 83.9765



Tritanopia

44.8989, 55.0600, 79.4954

Trichromacy



Original Color

45.4616, 55.3024, 81.6771

Protanomaly

49.9704, 54.5558, 77.0038

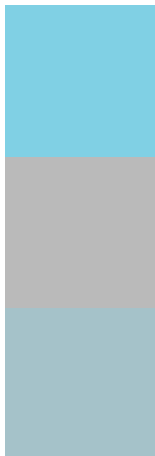
Deuteranomaly

51.1846, 54.3600, 83.3961

Tritanomaly

45.0357, 55.1148, 80.2161

Monochromacy



Original Color

45.4616, 55.3024, 81.6771

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.3515, 50.8000, 62.6734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4616, 55.3024, 81.6771 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(128, 208, 228)` looks like.

```
.text, #text, p{  
    color:rgb(128, 208, 228)  
}
```

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(128, 208, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 208, 228) }
```

Border

The CSS property to change the border of an element to XYZ 45.4616, 55.3024, 81.6771 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(128, 208, 228) }
```


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

```
.border{ border-color:rgb(128, 208, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 208, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 208, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 208, 228);  
box-shadow:4px 4px 4px 4px rgb(128, 208,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4616, 55.3024, 81.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 208, 228) }
```

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

```
.background{ background-color: rgb(128,  
208, 228) }
```

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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