

Converting Colors

XYZ(45.8030, 50.7275, 76.4846)

Have a look what the booklet for
XYZ(45.8030, 50.7275, 76.4846)
contains.

XYZ(45.8030, 50.7275, 76.4846)	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(45.8030, 50.7275,
76.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC2DE
RGB	154, 194, 222
RGB Percent	60%, 76%, 87%
CMY	0.3961, 0.2392, 0.1294
CMYK	0.31, 0.13, 0.00, 0.13
HSL	205°, 51%, 74%
HSV	205°, 31%, 87%
XYZ	45.8030, 50.7275, 76.4846
YIQ	185.2320, -32.8280, 0.2280

Conversions

Conversions Part 2

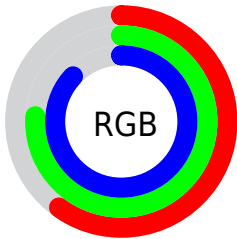
Format	Color
RYB	154, 179, 222
Decimal	10142430
CIELab	76.51, -6.76, -18.28
CIELCh	77, 19.492, 249.697
Yxy	50.7275, 0.2647, 0.2932
Android (android.graphics.Color)	4288332510 (0xFF9AC2DE)
YUV	185.2320, 18.1266, -27.3905
Hunter-Lab	71.2232, -9.8490, -13.8136

Details

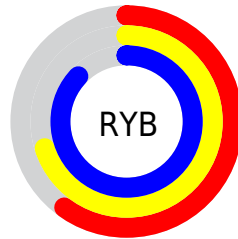
The XYZ color **45.8030, 50.7275, 76.4846** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.6856, 51.3191, 37.7019**, and the grayscale version is **46.1598, 48.5637, 52.8858**.

A 20% lighter version of the original color is **78.8139, 89.2929, 107.6890**, and **21.7200, 24.3129, 40.1073** is the 20% darker color. If you saturate the color by 10%, you get **39.9902, 44.8043, 75.6485**, and if you desaturate by 10%, it is **52.5255, 57.3079, 77.4013**.

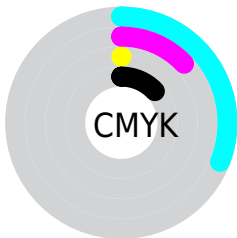
Distribution



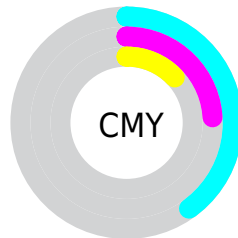
- Red (60%)
- Green (76%)
- Blue (87%)



- Red (60%)
- Yellow (70%)
- Blue (87%)



- Cyan (31%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (40%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8030, 50.7275, 76.4846 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 45.8030, 50.7275, 76.4846 by changing the saturation by 10% instead.

■ 45.8030, 50.7275,
76.4846

■ 45.8030, 50.7275,
76.4846

360.7453,
389.5041, 502.3959

■ 32.2944, 35.9918,
56.3209

■ 83.1538, 91.2518,
130.1780

■ 21.7431, 24.4279,
40.0546

■ 107.7266,
117.8093, 164.5449

■ 13.7838, 15.6513,
27.2670

136.7182,
149.0760, 204.4832

■ 8.0511, 9.2777,
17.5396

170.4939,
185.4366, 250.4116

■ 4.1798, 4.9228,
10.4540

209.4192,
227.2753, 302.7485

■ 1.8043, 2.2020,
5.5915

253.8592,

■ 0.5203, 0.7211,

274.9765, 361.9125

2.5336

304.1795,
328.9246, 428.3221

■ 0.0000, 0.0000,
0.8579

■ 0.0000, 0.0000,
0.0000

■ 45.8030, 50.7275,
76.4846

■ 45.8030, 50.7275,
76.4846

■ 39.9902, 44.8043,
75.6485

■ 52.5255, 57.3079,
77.4013

■ 35.0370, 39.5054,
74.8868

■ 60.1949, 64.5642,
78.3977

■ 30.8954, 34.8041,
74.1976

■ 68.8521, 72.5219,
79.4774

■ 27.5101, 30.6682,
73.5778

■ 78.5340, 81.2031,
80.6427

■ 24.8184, 27.0618,
73.0235

■ 85.4989, 88.6818,
81.7192

■ 22.7458, 23.9428,
72.5307

■ 88.2536, 94.1913,
82.6374

■ 21.2469, 21.3979,
72.1185

■ 90.1850, 98.0540,
83.2812

Harmonies

Analogous

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



42.9768, 50.7275, 69.2032



45.8030, 50.7275, 76.4846



49.4157, 50.7275, 77.6945

Triad

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



45.8030, 50.7275, 76.4846



55.5256, 50.7275, 51.8926



43.8384, 50.7275, 41.0722

Complementary

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



45.8030, 50.7275, 76.4846



52.6856, 51.3191, 37.7019

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.



47.0338, 50.7275, 37.5815



45.8030, 50.7275, 76.4846



53.8624, 50.7275, 43.2831

Square

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



45.8030, 50.7275, 76.4846



55.1548, 50.7275, 62.5620



50.7102, 50.7275, 38.3359



41.8831, 50.7275, 48.5012

Rectangle

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



45.8030, 50.7275, 76.4846



51.8033, 50.7275, 74.7566



50.7102, 50.7275, 38.3359



44.7963, 50.7275, 39.4451

Sweetspot

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



45.8046, 50.7295, 76.4858



84.1642, 90.0226, 107.5479



47.8099, 62.4581, 53.3607



17.6606, 18.9394, 22.9748



0.0000, 0.0000, 0.0000



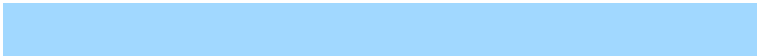
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8046, 50.7295, 76.4858



57.2724, 63.9506, 103.9329



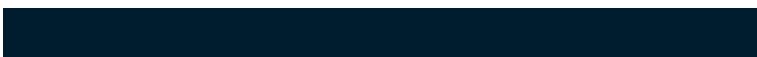
39.2224, 37.5652, 74.2917



13.6188, 14.5767, 17.4835



12.7321, 12.9338, 42.8738



0.9701, 1.0716, 3.0010

Inverse Universe

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



51.4187, 42.5372, 56.5415



66.3382, 51.5933, 71.5312



60.3093, 66.5665, 40.2431



14.0438, 13.8351, 16.0008



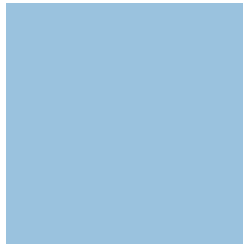
20.3668, 10.2137, 13.8631



1.4559, 0.7256, 1.1936

Previews

White Background



This preview shows how the XYZ color 45.8030, 50.7275, 76.4846 looks on a white background.

Color Contrast Check

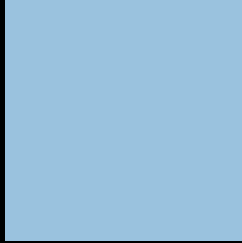
Large Text (above 18pt) WCAG AA × Fail

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 45.8030, 50.7275, 76.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

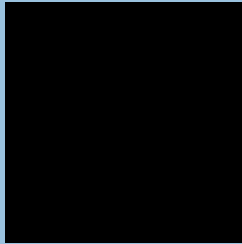
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8030, 50.7275, 76.4846

Background



This preview shows how black text looks on a background with the XYZ color 45.8030, 50.7275, 76.4846.



This preview shows how white text looks on a background with the XYZ color 45.8030, 50.7275,

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

45.8030, 50.7275, 76.4846

Protanopia

49.8231, 50.6177, 72.7899

Deuteranopia

51.5813, 50.4816, 77.5463



Tritanopia

44.4467, 50.8584, 69.1021

Trichromacy



Original Color

45.8030, 50.7275, 76.4846

Protanomaly

48.2129, 50.7120, 74.2651

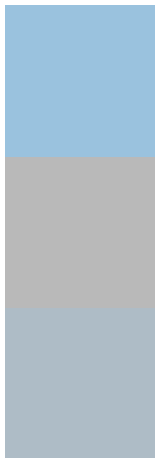
Deuteranomaly

49.2070, 50.5243, 76.9707

Tritanomaly

44.9177, 50.7088, 71.7103

Monochromacy



Original Color

45.8030, 50.7275, 76.4846

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6318, 49.0423, 60.4871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8030, 50.7275, 76.4846 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(154, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(154, 194, 222)  
}
```

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(154, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 194, 222) }
```

Border

The CSS property to change the border of an element to XYZ 45.8030, 50.7275, 76.4846 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(154, 194, 222) }
```


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

```
.border{ border-color:rgb(154, 194, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(154, 194,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8030, 50.7275, 76.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 194, 222) }
```

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

```
.background{ background-color: rgb(154,  
194, 222) }
```

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