

Converting Colors

XYZ(45.8012, 50.0626, 77.8873)

Have a look what the booklet for
XYZ(45.8012, 50.0626, 77.8873)
contains.

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Color

**XYZ(45.8218, 50.0497,
77.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	9BC0E0
RGB	155, 192, 224
RGB Percent	61%, 75%, 88%
CMY	0.3921, 0.2470, 0.1216
CMYK	0.31, 0.14, 0.00, 0.12
HSL	208°, 53%, 74%
HSV	208°, 31%, 88%
XYZ	45.8218, 50.0497, 77.7665
YIQ	184.5850, -32.3240, 2.1080

Conversions

Conversions Part 2

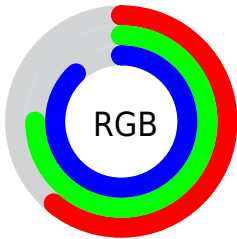
Format	Color
R _Y B	155, 179, 224
Decimal	10207456
CIE Lab	76.10, -4.93, -19.98
CIE LCh	76, 20.581, 256.152
Yxy	50.0497, 0.2639, 0.2882
Android (android.graphics.Color)	4288397536 (0xFF9BC0E0)
YUV	184.5850, 19.4316, -25.9460
Hunter-Lab	70.7458, -8.1914, -15.6518

Details

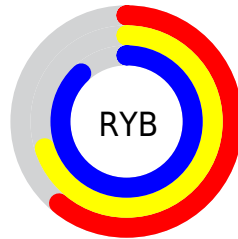
The XYZ color **45.8218, 50.0497, 77.7665** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.4280, 53.7551, 38.5189**, and the grayscale version is **45.7935, 48.1783, 52.4662**.

A 20% lighter version of the original color is **78.4814, 88.2037, 107.4963**, and **21.8735, 24.1546, 41.0456** is the 20% darker color. If you saturate the color by 10%, you get **39.7144, 43.6349, 76.8511**, and if you desaturate by 10%, it is **52.8908, 57.2015, 78.7752**.

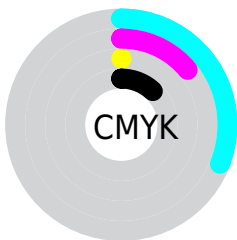
Distribution



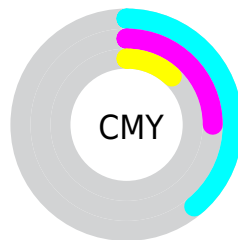
- Red (61%)
- Green (75%)
- Blue (88%)



- Red (61%)
- Yellow (70%)
- Blue (88%)



- Cyan (31%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)



- Cyan (39%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8218, 50.0497, 77.7665 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 45.8218, 50.0497, 77.7665 by changing the saturation by 10% instead.

■ 45.8218, 50.0497,
77.7665

■ 45.8218, 50.0497,
77.7665

360.8197,
386.8603, 506.8804

■ 32.3093, 35.4529,
57.3669

■ 83.1817, 90.2485,
132.0038

■ 21.7545, 24.0119,
40.8885

■ 107.7598,
116.6193, 166.6785

■ 13.7922, 15.3425,
27.9130

136.7572,
147.6835, 206.9487

■ 8.0570, 9.0601,
18.0216

170.5391,
183.8256, 253.2329

■ 4.1836, 4.7804,
10.7959

209.4710,
225.4299, 305.9496

■ 1.8065, 2.1190,
5.8173

253.9181,

■ 0.5216, 0.6753,

272.8809, 365.5174

2.6673

304.2459,
326.5629, 432.3548

■ 0.0000, 0.0000,
0.9269

■ 0.0000, 0.0000,
0.0000

■ 45.8218, 50.0497,
77.7665

■ 45.8218, 50.0497,
77.7665

■ 39.7144, 43.6349,
76.8511

■ 52.8908, 57.2015,
78.7752

■ 34.5164, 37.9219,
76.0223

■ 60.9605, 65.1119,
79.8768

■ 30.1775, 32.8808,
75.2780

■ 70.0738, 73.8086,
81.0751

■ 26.6400, 28.4767,
74.6143

■ 80.2692, 83.3161,
82.3728

■ 23.8385, 24.6704,
74.0273

■ 87.0284, 91.3093,
83.5594

■ 21.6952, 21.4162,
73.5121

■ 90.2418, 97.7361,
84.6306

■ 20.1858, 18.8441,
73.0952

■ 90.4547, 98.1619,
84.7015

Harmonies

Analogous

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



42.6272, 50.0497, 71.2497



45.8218, 50.0497, 77.7665



49.6588, 50.0497, 77.4873

Triad

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



45.8218, 50.0497, 77.7665



55.0371, 50.0497, 48.8110



42.4320, 50.0497, 41.0954

Complementary

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



45.8218, 50.0497, 77.7665



54.4280, 53.7551, 38.5189

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.



45.5421, 50.0497, 36.5715



45.8218, 50.0497, 77.7665



52.8824, 50.0497, 40.5982

Square

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



45.8218, 50.0497, 77.7665



55.1220, 50.0497, 59.7261



49.3636, 50.0497, 36.4027



40.7427, 50.0497, 49.5798

Rectangle

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



45.8218, 50.0497, 77.7665



52.0703, 50.0497, 73.4579



49.3636, 50.0497, 36.4027



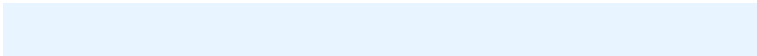
43.3382, 50.0497, 39.1144

Sweetspot

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



45.8234, 50.0517, 77.7677



83.8032, 89.3006, 107.4276



49.0427, 63.8282, 56.2188



17.5717, 18.7614, 22.9451



0.0000, 0.0000, 0.0000



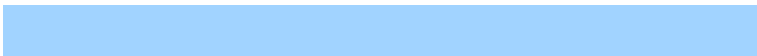
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8234, 50.0517, 77.7677



56.0328, 61.4714, 103.5197



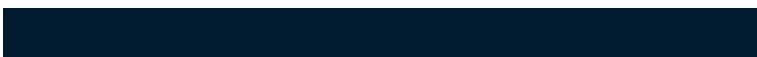
39.2772, 36.9594, 75.5856



13.5577, 14.4546, 17.4631



11.8658, 11.2011, 42.5850



0.9118, 0.9551, 2.9815

Inverse Universe

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



51.9776, 43.0972, 55.4504



65.7125, 51.3431, 68.2363



62.3957, 69.6904, 41.1748



14.0130, 13.8228, 15.8385



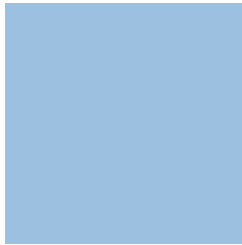
19.9295, 10.0388, 11.5604



1.4265, 0.7139, 1.0388

Previews

White Background



This preview shows how the XYZ color 45.8218, 50.0497, 77.7665 looks on a white background.

Color Contrast Check

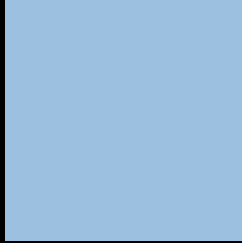
Large Text (above 18pt) WCAG AA × Fail

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 45.8218, 50.0497, 77.7665 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

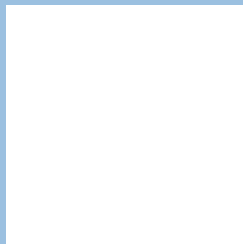
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8218, 50.0497, 77.7665

Background



This preview shows how black text looks on a background with the XYZ color 45.8218, 50.0497, 77.7665.



This preview shows how white text looks on a background with the XYZ color 45.8218, 50.0497,

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

45.8218, 50.0497, 77.7665

Protanopia

49.5332, 50.1089, 74.7714

Deuteranopia

50.9107, 49.7971, 78.8800



Tritanopia

43.8735, 49.9121, 68.2944

Trichromacy



Original Color

45.8218, 50.0497, 77.7665

Protanomaly

48.0476, 49.9576, 75.5170

Deuteranomaly

48.8287, 49.6680, 78.2475

Tritanomaly

44.4726, 49.8185, 71.5620

Monochromacy



Original Color

45.8218, 50.0497, 77.7665

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7476, 49.0886, 61.0967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8218, 50.0497, 77.7665 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(155, 192, 224)` looks like.

```
.text, #text, p{  
    color:rgb(155, 192, 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(155, 192, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 192, 224) }
```

Border

The CSS property to change the border of an element to XYZ 45.8218, 50.0497, 77.7665 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(155, 192, 224) }
```


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

```
.border{ border-color:rgb(155, 192, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 192, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 192, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 192, 224);  
box-shadow:4px 4px 4px 4px rgb(155, 192,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8218, 50.0497, 77.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 192, 224) }
```

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

```
.background{ background-color: rgb(155,  
192, 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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