

Converting Colors

XYZ(45.8568, 45.1644, 82.9399)

Have a look what the booklet for
XYZ(45.8568, 45.1644, 82.9399)
contains.

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Color

**XYZ(45.8047, 45.2698,
82.6677)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B1E8
RGB	165, 177, 232
RGB Percent	65%, 69%, 91%
CMY	0.3529, 0.3059, 0.0902
CMYK	0.29, 0.24, 0.00, 0.09
HSL	229°, 59%, 78%
HSV	229°, 29%, 91%
XYZ	45.8047, 45.2698, 82.6677
YIQ	179.6820, -24.8070, 14.5610

Conversions

Conversions Part 2

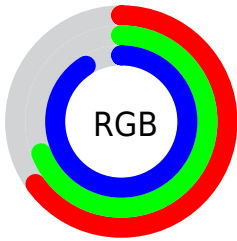
Format	Color
RYB	165, 175, 232
Decimal	10858984
CIELab	73.07, 8.09, -28.89
CIELCh	73, 29.998, 285.642
Yxy	45.2698, 0.2636, 0.2606
Android (android.graphics.Color)	4289049064 (0xFFA5B1E8)
YUV	179.6820, 25.7928, -12.8761
Hunter-Lab	67.2828, 3.7740, -25.7492

Details

The XYZ color **45.8047, 45.2698, 82.6677** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.6643, 71.0596, 45.8539**, and the grayscale version is **43.0890, 45.3330, 49.3676**.

A 20% lighter version of the original color is **77.0077, 80.8700, 106.1585**, and **21.7256, 21.1813, 44.0176** is the 20% darker color. If you saturate the color by 10%, you get **37.9071, 35.9993, 81.2953**, and if you desaturate by 10%, it is **55.1056, 56.0450, 84.2581**.

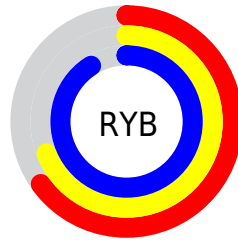
Distribution



Red (65%)

Green (69%)

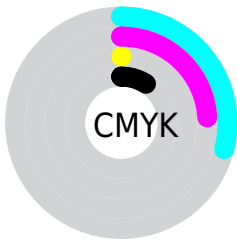
Blue (91%)



Red (65%)

Yellow (69%)

Blue (91%)

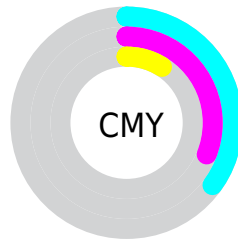


Cyan (29%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (35%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8047, 45.2698, 82.6677 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 45.8047, 45.2698, 82.6677 by changing the saturation by 10% instead.

■ 45.8047, 45.2698,
82.6677

■ 45.8047, 45.2698,
82.6677

360.7520,
367.8652, 523.8203

■ 32.2957, 31.6700,
61.3770

■ 83.1563, 83.1251,
138.9550

■ 21.7441, 21.1096,
44.0970

■ 107.7296,
108.1494, 174.7888

■ 13.7845, 13.2041,
30.4090

136.7217,
137.7507, 216.3073

■ 8.0517, 7.5692,
19.8946

170.4980,
172.3133, 263.9291

■ 4.1801, 3.8206,
12.1351

209.4238,
212.2217, 318.0728

■ 1.8045, 1.5737,
6.7121

253.8646,

■ 0.5204, 0.3398,

257.8602, 379.1569

3.2070

304.1855,
309.6132, 447.5999

■ 0.0000, 0.0000,
1.2013

■ 0.0000, 0.0000,
0.0000

■ 45.8047, 45.2698,
82.6677

■ 45.8047, 45.2698,
82.6677

■ 37.9071, 35.9993,
81.2953

■ 55.1056, 56.0450,
84.2581

■ 31.3392, 28.1605,
80.1285

■ 65.8694, 68.3829,
86.0722

■ 26.0277, 21.6824,
79.1580

■ 78.1578, 82.3449,
88.1195

■ 21.8900, 16.4852,
78.3729

■ 90.9884, 97.4518,
90.3592

■ 18.8331, 12.4808,
77.7611

■ 91.5656, 98.6063,
90.5516

■ 16.7495, 9.5691,
77.3089

■ 15.4874, 7.6215,
76.9995

■ 15.3779, 7.4508,
76.9723

Harmonies

Analogous

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



40.5745, 45.2698, 82.9043



45.8047, 45.2698, 82.6677



50.6493, 45.2698, 72.3701

Triad

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



45.8047, 45.2698, 82.6677



50.4714, 45.2698, 31.3885



33.9775, 45.2698, 42.4693

Complementary

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



45.8047, 45.2698, 82.6677



65.6643, 71.0596, 45.8539

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.



36.2116, 45.2698, 31.7283



45.8047, 45.2698, 82.6677



45.5776, 45.2698, 26.2691

Square

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



45.8047, 45.2698, 82.6677



53.4893, 45.2698, 41.9059



40.3651, 45.2698, 26.3794



34.0275, 45.2698, 57.4967

Rectangle

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



45.8047, 45.2698, 82.6677



52.8854, 45.2698, 62.1905



40.3651, 45.2698, 26.3794



34.4778, 45.2698, 38.3115

Sweetspot

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



45.8062, 45.2716, 82.6687



81.3867, 84.4676, 106.6221



57.2556, 70.8659, 78.1754



16.9787, 17.5755, 22.7475



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.



45.8062, 45.2716, 82.6687



50.3974, 48.6478, 101.3415



48.3244, 43.2043, 82.1370



13.7905, 14.3025, 18.1781



8.6019, 4.2660, 42.7532



0.6967, 0.4373, 3.1797

Inverse Universe

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



54.6709, 47.2419, 47.8339



63.2470, 51.8081, 50.7795



62.4512, 74.2477, 46.6386



14.4819, 14.4099, 15.4719



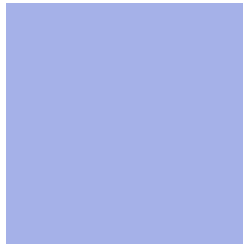
18.7354, 9.6284, 2.2355



1.4153, 0.7238, 0.3274

Previews

White Background



This preview shows how the XYZ color 45.8047, 45.2698, 82.6677 looks on a white background.

Color Contrast Check

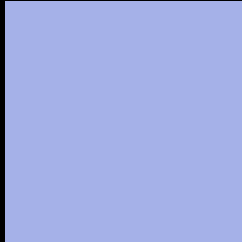
Large Text (above 18pt) WCAG AA × Fail

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 45.8047, 45.2698, 82.6677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

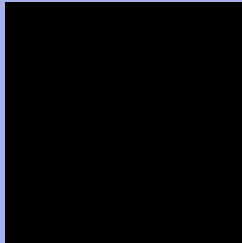
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8047, 45.2698, 82.6677

Background



This preview shows how black text looks on a background with the XYZ color 45.8047, 45.2698, 82.6677.



This preview shows how white text looks on a background with the XYZ color 45.8047, 45.2698,

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

45.8047, 45.2698, 82.6677

Protanopia

45.8047, 45.2698, 82.6677

Deuteranopia

46.2393, 45.2017, 82.6317



Tritanopia

41.2271, 45.2133, 59.9802

Trichromacy



Original Color

45.8047, 45.2698, 82.6677

Protanomaly

45.8047, 45.2698, 82.6677

Deuteranomaly

46.0272, 45.0924, 82.6217

Tritanomaly

42.8547, 45.2780, 67.4536

Monochromacy



Original Color

45.8047, 45.2698, 82.6677

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.1081, 45.4777, 60.4862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8047, 45.2698, 82.6677 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(165, 177, 232)` looks like.

```
.text, #text, p{  
    color:rgb(165, 177, 232)  
}
```

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(165, 177, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 177, 232) }
```

Border

The CSS property to change the border of an element to XYZ 45.8047, 45.2698, 82.6677 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(165, 177, 232) }
```


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

```
.border{ border-color:rgb(165, 177, 232) }
```

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

Here you see how a box with a 4 pixel rgb(165, 177, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 177, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 177, 232);  
box-shadow:4px 4px 4px 4px rgb(165, 177,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8047, 45.2698, 82.6677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 177, 232) }
```

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

```
.background{ background-color: rgb(165,  
177, 232) }
```

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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