

Converting Colors

XYZ(25.1599, 28.3810, 48.9235)

Have a look what the booklet for
XYZ(25.1599, 28.3810, 48.9235)
contains.

XYZ(25.2074, 28.4357, 48.9598)	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(25.2074, 28.4357,
48.9598)**

Conversions

Conversions Part 1

Format	Color
Hex	6797B7
RGB	103, 151, 183
RGB Percent	40%, 59%, 72%
CMY	0.5961, 0.4078, 0.2823
CMYK	0.44, 0.17, 0.00, 0.28
HSL	204°, 36%, 56%
HSV	204°, 44%, 72%
XYZ	25.2074, 28.4357, 48.9598
YIQ	140.2960, -38.8800, -0.2240

Conversions

Conversions Part 2

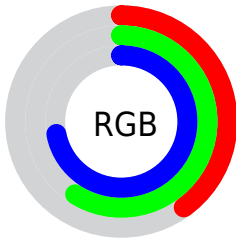
Format	Color
R_{YB}	103, 133, 183
Decimal	6789047
CIE _{Lab}	60.28, -7.55, -21.70
CIE _{LCh}	60, 22.981, 250.815
Yxy	28.4357, 0.2457, 0.2771
Android (android.graphics.Color)	4284979127 (0xFF6797B7)
YUV	140.2960, 21.0531, -32.7086
Hunter-Lab	53.3251, -8.9400, -17.1088

Details

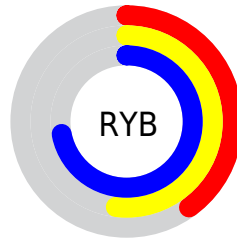
The XYZ color **25.2074, 28.4357, 48.9598** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.6413, 28.3753, 16.6950**, and the grayscale version is **24.9746, 26.2753, 28.6138**.

A 20% lighter version of the original color is **51.3159, 57.0627, 89.9709**, and **9.8531, 11.3790, 22.7962** is the 20% darker color. If you saturate the color by 10%, you get **22.1921, 25.1869, 48.4922**, and if you desaturate by 10%, it is **28.7571, 32.0698, 49.4747**.

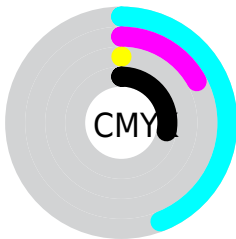
Distribution



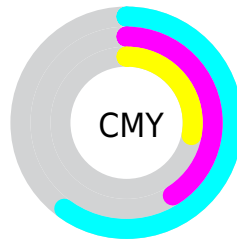
- Red (40%)
- Green (59%)
- Blue (72%)



- Red (40%)
- Yellow (52%)
- Blue (72%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)



- Cyan (60%)
- Magenta (41%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2074, 28.4357, 48.9598 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 25.2074, 28.4357, 48.9598 by changing the saturation by 10% instead.

■ 25.2074, 28.4357,
48.9598

■ 25.2074, 28.4357,
48.9598

271.1979,
294.5430, 399.2020

■ 16.3612, 18.6544,
34.2222

■ 51.4340, 57.1793,
90.0121

■ 9.8726, 11.4208,
22.7856

■ 69.5450, 76.9104,
117.1639

■ 5.3762, 6.3506,
14.2315

■ 91.4751, 100.7268,
149.2909

■ 2.5066, 3.0594,
8.1413

■ 117.5895,
129.0129, 186.8116

■ 0.8986, 1.1628,
4.0964

148.2536,
162.1533, 230.1444

■ 0.0000, 0.0310,
1.6784

183.8328,

■ 0.0000, 0.0000,

200.5321, 279.7081

0.3459

224.6925,
244.5339, 335.9211

■ 0.0000, 0.0000,
0.0000

■ 25.2074, 28.4357,
48.9598

■ 25.2074, 28.4357,
48.9598

■ 22.1921, 25.1869,
48.4922

■ 28.7571, 32.0698,
49.4747

■ 19.6767, 22.3019,
48.0679

■ 32.8672, 36.1027,
50.0365

■ 17.6271, 19.7616,
47.6856

■ 37.5654, 40.5510,
50.6475

■ 16.0026, 17.5431,
47.3430

■ 42.8763, 45.4295,
51.3092

■ 14.7550, 15.6193,
47.0374

■ 48.8235, 50.7518,
52.0230

■ 14.1019, 14.5281,
46.8612

■ 55.4288, 56.5311,
52.7904

■ 62.7134, 62.7800,
53.6126

■ 70.6972, 69.5102,
54.4909

■ 74.5697, 74.2437,
55.2005

Harmonies

Analogous

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



22.9611, 28.4357, 42.8281



25.2074, 28.4357, 48.9598



28.1047, 28.4357, 49.7966

Triad

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



25.2074, 28.4357, 48.9598



32.9848, 28.4357, 28.0148



23.4897, 28.4357, 20.2309

Complementary

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



25.2074, 28.4357, 48.9598



30.6413, 28.3753, 16.6950

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.



25.9777, 28.4357, 17.5991



25.2074, 28.4357, 48.9598



31.5472, 28.4357, 21.5185

Square

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



25.2074, 28.4357, 48.9598



32.7409, 28.4357, 36.6073



28.9327, 28.4357, 18.0231



22.0203, 28.4357, 25.9285

Rectangle

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



25.2074, 28.4357, 48.9598



30.0356, 28.4357, 47.0973



28.9327, 28.4357, 18.0231



24.2268, 28.4357, 19.0097

Sweetspot

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



25.2083, 28.4368, 48.9605



67.7268, 73.0432, 90.7649



26.8077, 38.4632, 28.4448



14.5255, 15.7284, 19.9919



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.2083, 28.4368, 48.9605



40.1712, 45.5805, 86.9164



19.9727, 17.9655, 47.2153



8.9571, 9.5915, 11.4587



9.9062, 10.2720, 32.7137



0.4080, 0.4797, 1.1728

Inverse Universe

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



29.9654, 22.0031, 31.9469



50.0316, 33.6504, 51.3355



37.0490, 41.1907, 18.8309



9.2247, 9.1003, 10.5307



15.6139, 7.8193, 11.1193



0.5801, 0.2875, 0.5483

Previews

White Background



This preview shows how the XYZ color 25.2074, 28.4357, 48.9598 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2074, 28.4357, 48.9598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

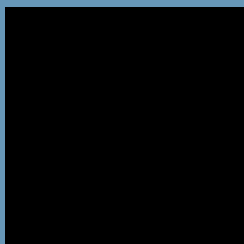
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

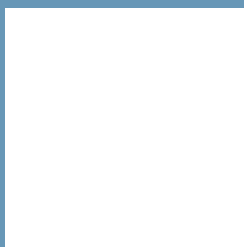
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2074, 28.4357, 48.9598

Background



This preview shows how black text looks on a background with the XYZ color 25.2074, 28.4357, 48.9598.

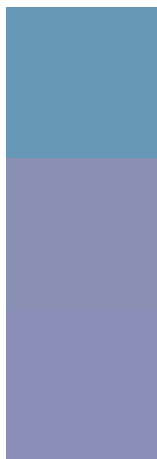


This preview shows how white text looks on a background with the XYZ color 25.2074, 28.4357,

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

25.2074, 28.4357, 48.9598

Protanopia

28.1749, 28.1776, 46.0733

Deuteranopia

28.9112, 28.2521, 49.8283



Tritanopia

23.4755, 28.4610, 40.3326

Trichromacy



Original Color

25.2074, 28.4357, 48.9598

Protanomaly

26.9746, 28.2130, 47.2040

Deuteranomaly

27.2346, 28.0715, 49.3303

Tritanomaly

24.0932, 28.4703, 43.2552

Monochromacy



Original Color

25.2074, 28.4357, 48.9598

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.7264, 26.8588, 35.3335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2074, 28.4357, 48.9598 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(103, 151, 183)` looks like.

```
.text, #text, p{  
    color:rgb(103, 151, 183)  
}
```

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(103, 151, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 151, 183) }
```

Border

The CSS property to change the border of an element to XYZ 25.2074, 28.4357, 48.9598 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(103, 151, 183) }
```


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

```
.border{ border-color:rgb(103, 151, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 151, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 151, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 151, 183);  
box-shadow:4px 4px 4px 4px rgb(103, 151,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2074, 28.4357, 48.9598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 151, 183) }
```

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

```
.background{ background-color: rgb(103,  
151, 183) }
```

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