

Converting Colors

XYZ(24.8170, 25.0246, 57.9546)

Have a look what the booklet for
XYZ(24.8170, 25.0246, 57.9546)
contains.

| | |
|--|----|
| XYZ(24.8806, 25.1138, 58.1797) | 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(24.8806, 25.1138,
58.1797)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 658AC8 |
| RGB | 101, 138, 200 |
| RGB Percent | 40%, 54%, 78% |
| CMY | 0.6039, 0.4588, 0.2157 |
| CMYK | 0.49, 0.31, 0.00, 0.22 |
| HSL | 218°, 47%, 59% |
| HSV | 218°, 49%, 78% |
| XYZ | 24.8806, 25.1138, 58.1797 |
| YIQ | 134.0050, -41.9540, 11.4380 |

Conversions

Conversions Part 2

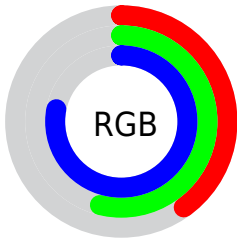
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 101, 128, 200 |
| Decimal | 6654664 |
| CIELab | 57.19, 4.39, -36.11 |
| CIELCh | 57, 36.376, 276.933 |
| Yxy | 25.1138, 0.2300, 0.2322 |
| Android (android.graphics.Color) | 4284844744 (0xFF658AC8) |
| YUV | 134.0050, 32.5355, -28.9454 |
| Hunter-Lab | 50.1137, 0.9233, -33.7534 |

Details

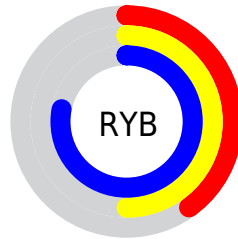
The XYZ color **24.8806, 25.1138, 58.1797** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **39.2665, 39.4144, 17.8511**, and the grayscale version is **22.5579, 23.7327, 25.8449**.

A 20% lighter version of the original color is **50.5854, 51.6497, 101.9110**, and **9.6743, 9.5684, 28.5311** is the 20% darker color. If you saturate the color by 10%, you get **21.2132, 20.7079, 57.5231**, and if you desaturate by 10%, it is **29.3019, 30.2169, 58.9322**.

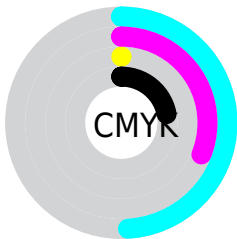
Distribution



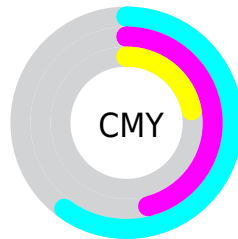
- Red (40%)
- Green (54%)
- Blue (78%)



- Red (40%)
- Yellow (50%)
- Blue (78%)



- Cyan (49%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)



- Cyan (60%)
- Magenta (46%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8806, 25.1138, 58.1797 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 24.8806, 25.1138, 58.1797 by changing the saturation by 10% instead.

■ 24.8806, 25.1138,
58.1797

■ 24.8806, 25.1138,
58.1797

269.6014,
278.4042, 435.4721

■ 16.1164, 16.1619,
41.5375

■ 50.9077, 51.8418,
103.7019

■ 9.6979, 9.6388,
28.4164

■ 68.9014, 70.3866,
133.4189

■ 5.2599, 5.1601,
18.3980

■ 90.7022, 92.8979,
168.3312

■ 2.4368, 2.3415,
11.0637

■ 116.6755,
119.7599, 208.8575

■ 0.8635, 0.7955,
5.9950

147.1868,
151.3572, 255.4162

■ 0.0000, 0.0000,
2.7733

182.6013,

■ 0.0000, 0.0000,

188.0741, 308.4258

0.9801

223.2844,
230.2949, 368.3049

■ 0.0000, 0.0000,
0.0000

■ 24.8806, 25.1138,
58.1797

■ 24.8806, 25.1138,
58.1797

■ 21.2132, 20.7079,
57.5231

■ 29.3019, 30.2169,
58.9322

■ 18.2498, 16.9618,
56.9562

■ 34.5173, 36.0465,
59.7825

■ 15.9382, 13.8379,
56.4750

■ 40.5670, 42.6333,
60.7350

■ 14.2163, 11.2928,
56.0745

■ 47.4879, 50.0053,
61.7932

■ 12.9796, 9.2598,
55.7473

■ 55.3144, 58.1890,
62.9603

■ 12.9243, 9.1680,
55.7325

■ 64.0788, 67.2094,
64.2395

■ 73.8121, 77.0907,
65.6338

■ 82.2999, 86.6990,
67.0410

■ 86.0786, 94.2566,
68.3006

Harmonies

Analogous

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



20.7785, 25.1138, 55.3839



24.8806, 25.1138, 58.1797



29.1834, 25.1138, 50.9388

Triad

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



24.8806, 25.1138, 58.1797



31.0976, 25.1138, 15.4539



17.0501, 25.1138, 19.0860

Complementary

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



24.8806, 25.1138, 58.1797



39.2665, 39.4144, 17.8511

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.



19.2440, 25.1138, 12.4626



24.8806, 25.1138, 58.1797



27.2536, 25.1138, 10.8473

Square

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



24.8806, 25.1138, 58.1797



33.0412, 25.1138, 24.5882



22.8870, 25.1138, 9.9460



16.5753, 25.1138, 30.2998

Rectangle

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



24.8806, 25.1138, 58.1797



31.4802, 25.1138, 42.3840



22.8870, 25.1138, 9.9460



17.5970, 25.1138, 16.3645

Sweetspot

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



24.8815, 25.1147, 58.1803



75.1796, 79.1106, 105.9152



32.5480, 46.6864, 41.5026



15.5557, 16.3601, 22.5879



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.



24.8815, 25.1147, 58.1803



36.5291, 35.6083, 99.5555



21.8323, 16.9595, 56.7669



10.3760, 10.9261, 13.4796



8.2972, 5.9883, 35.4629



0.4622, 0.4222, 1.7023

Inverse Universe

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



33.0613, 23.4227, 26.8241



52.6593, 33.8371, 37.3714



43.8540, 52.9974, 20.2311



10.7951, 10.7014, 11.9041



15.9874, 8.1445, 5.1433



0.7920, 0.3996, 0.4278

Previews

White Background



This preview shows how the XYZ color 24.8806, 25.1138, 58.1797 looks on a white background.

Color Contrast Check

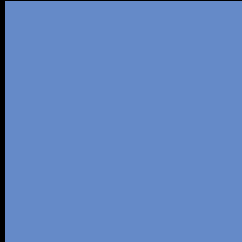
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8806, 25.1138, 58.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

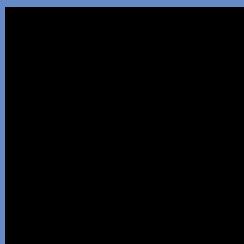
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

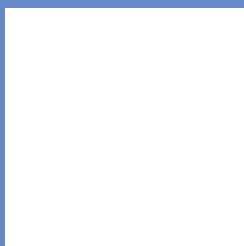
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8806, 25.1138, 58.1797

Background



This preview shows how black text looks on a background with the XYZ color 24.8806, 25.1138, 58.1797.

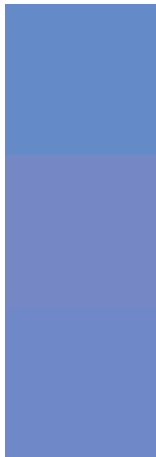


This preview shows how white text looks on a background with the XYZ color 24.8806, 25.1138,

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

24.8806, 25.1138, 58.1797

Protanopia

26.0781, 25.1411, 56.3016

Deuteranopia

25.6599, 25.0934, 58.1347



Tritanopia

20.4749, 25.1011, 36.1136

Trichromacy



Original Color

24.8806, 25.1138, 58.1797

Protanomaly

25.5527, 25.0650, 56.9173

Deuteranomaly

25.4344, 25.1873, 58.1647

Tritanomaly

21.8795, 24.9892, 43.2054

Monochromacy



Original Color

24.8806, 25.1138, 58.1797

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8616, 23.9341, 35.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8806, 25.1138, 58.1797 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(101, 138, 200)` looks like.

```
.text, #text, p{  
    color:rgb(101, 138, 200)  
}
```

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(101, 138, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 138, 200) }
```

Border

The CSS property to change the border of an element to XYZ 24.8806, 25.1138, 58.1797 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(101, 138, 200) }
```


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

```
.border{ border-color:rgb(101, 138, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 138, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 138, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 138, 200);  
box-shadow:4px 4px 4px 4px rgb(101, 138,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8806, 25.1138, 58.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 138, 200) }
```

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

```
.background{ background-color: rgb(101,  
138, 200) }
```

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