

# Converting Colors

XYZ(25.3774, 27.4838, 60.1575)

Have a look what the booklet for  
XYZ(25.3774, 27.4838, 60.1575)  
contains.

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# Color

**XYZ(25.4892, 27.6155,  
60.4868)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5994CB
RGB	89, 148, 203
RGB Percent	35%, 58%, 80%
CMY	0.6510, 0.4196, 0.2039
CMYK	0.56, 0.27, 0.00, 0.20
HSL	209°, 52%, 57%
HSV	209°, 56%, 80%
XYZ	25.4892, 27.6155, 60.4868
YIQ	136.6290, -52.8190, 4.5970

# Conversions

## Conversions Part 2

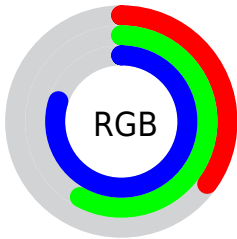
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	89, 128, 203
Decimal	5870795
CIE Lab	59.54, -3.17, -34.17
CIE LCh	60, 34.316, 264.705
Yxy	27.6155, 0.2244, 0.2431
Android (android.graphics.Color)	4284060875 (0xFF5994CB)
YUV	136.6290, 32.7209, -41.7706
Hunter-Lab	52.5505, -5.3832, -31.4589

# Details

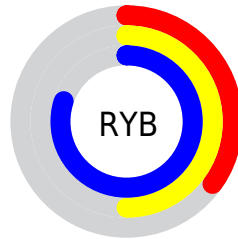
The XYZ color **25.4892, 27.6155, 60.4868** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **36.4060, 33.3655, 13.9737**, and the grayscale version is **23.5338, 24.7594, 26.9630**.

A 20% lighter version of the original color is **51.0246, 55.5721, 102.6449**, and **10.1018, 11.0647, 30.0371** is the 20% darker color. If you saturate the color by 10%, you get **22.3314, 23.8031, 59.9179**, and if you desaturate by 10%, it is **29.3160, 31.9667, 61.1255**.

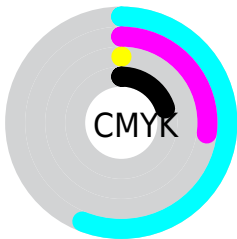
# Distribution



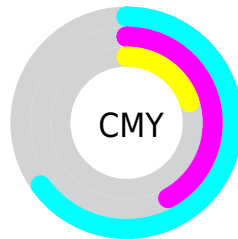
- Red (35%)
- Green (58%)
- Blue (80%)



- Red (35%)
- Yellow (50%)
- Blue (80%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (42%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4892, 27.6155, 60.4868 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 25.4892, 27.6155, 60.4868 by changing the saturation by 10% instead.



■ 25.4892, 27.6155,  
60.4868

■ 25.4892, 27.6155,  
60.4868

272.5684,  
290.6250, 444.2441

■ 16.5726, 18.0360,  
43.3833

■ 51.8869, 55.8700,  
107.0858

■ 10.0236, 10.9758,  
29.8523

■ 70.0988, 75.3138,  
137.4183

■ 5.4770, 6.0506,  
19.4754

■ 92.1397, 98.8145,  
172.9976

■ 2.5674, 2.8759,  
11.8340

■ 118.3751,  
126.7564, 214.2422

■ 0.9294, 1.0673,  
6.5096

149.1703,  
159.5241, 261.5706

■ 0.0000, 0.0000,  
3.0836

184.8907,

■ 0.0000, 0.0000,

197.5018, 315.4013

1.1375

225.9016,  
241.0740, 376.1530

■ 0.0000, 0.0000,  
0.0000

■ 25.4892, 27.6155,  
60.4868

■ 25.4892, 27.6155,  
60.4868

■ 22.3314, 23.8031,  
59.9179

■ 29.3160, 31.9667,  
61.1255

■ 19.7910, 20.4968,  
59.4136

■ 33.8522, 36.8807,  
61.8349

■ 17.8131, 17.6637,  
58.9710

■ 39.1380, 42.3832,  
62.6184

■ 16.3274, 15.2625,  
58.5858

■ 45.2098, 48.4971,  
63.4785

■ 15.8374, 14.4274,  
58.4505

■ 52.1012, 55.2441,  
64.4176

■ 59.8441, 62.6445,  
65.4379

■ 68.4683, 70.7176,  
66.5416

■ 78.0024, 79.4821,  
67.7308

■ 82.0577, 85.6481,  
68.7073

# Harmonies

## Analogous

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



21.7387, 27.6155, 53.9381



25.4892, 27.6155, 60.4868



29.8712, 27.6155, 57.2418

# Triad

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



25.4892, 27.6155, 60.4868



34.5320, 27.6155, 21.1889



20.0402, 27.6155, 18.3204

# Complementary

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



25.4892, 27.6155, 60.4868



36.4060, 33.3655, 13.9737

# 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.



22.9298, 27.6155, 13.2324



25.4892, 27.6155, 60.4868



31.3407, 27.6155, 14.5425

# Square

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



25.4892, 27.6155, 60.4868



35.4088, 27.6155, 32.3159



27.0211, 27.6155, 12.0684



18.8210, 27.6155, 27.9279



# Rectangle

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



25.4892, 27.6155, 60.4868



32.5291, 27.6155, 50.3222



27.0211, 27.6155, 12.0684



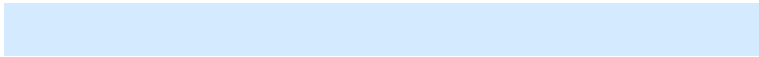
20.8319, 27.6155, 16.1419

# Sweetspot

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



25.4902, 27.6165, 60.4875



74.5477, 80.0593, 106.1317



30.3742, 46.7955, 33.1027



15.4962, 16.6767, 22.6521



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.



25.4902, 27.6165, 60.4875



36.5812, 38.8349, 100.1756



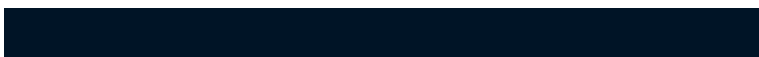
18.7971, 14.2304, 58.2565



11.0739, 11.7883, 14.2621



10.1704, 9.3649, 37.2278



0.6005, 0.6347, 1.9458



# Inverse Universe

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



33.5471, 21.9804, 30.4925



51.9234, 30.6245, 42.4927



46.9019, 54.3574, 17.4723



11.4507, 11.3090, 12.9079



17.3445, 8.7484, 9.5326

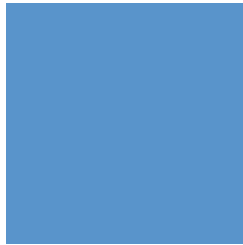


0.9330, 0.4666, 0.6932



# Previews

## White Background



This preview shows how the XYZ color 25.4892, 27.6155, 60.4868 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 25.4892, 27.6155, 60.4868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

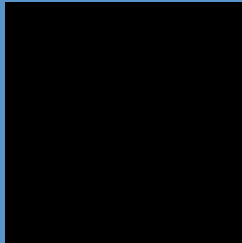
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.4892, 27.6155, 60.4868**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.4892, 27.6155, 60.4868.



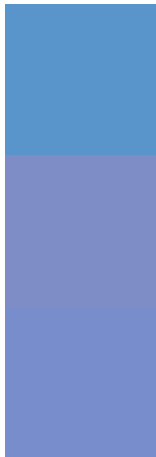
This preview shows how white text looks on a background with the XYZ color 25.4892, 27.6155,



# 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

25.4892, 27.6155, 60.4868

### Protanopia

28.2071, 27.5166, 56.6479

### Deuteranopia

28.0317, 27.3313, 60.9248



## Tritanopia

21.5980, 27.7286, 40.7730

# Trichromacy



**Original Color**

25.4892, 27.6155, 60.4868

**Protanomaly**

27.0921, 27.5807, 57.9285

**Deuteranomaly**

27.0567, 27.4943, 61.0076

**Tritanomaly**

22.7747, 27.4572, 47.2794

# Monochromacy



**Original Color**

25.4892, 27.6155, 60.4868

**Achromatopsia**

23.7775, 25.0158, 27.2422

**Achromatomaly**

23.7036, 25.6160, 37.4133

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.4892, 27.6155, 60.4868 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(89, 148, 203)` looks like.

```
.text, #text, p{  
    color:rgb(89, 148, 203)  
}
```

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(89, 148, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 148, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 25.4892, 27.6155, 60.4868 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(89, 148, 203) }
```



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

```
.border{ border-color:rgb(89, 148, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 148, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 148, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 148, 203);  
box-shadow:4px 4px 4px 4px rgb(89, 148,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.4892, 27.6155, 60.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 148, 203) }
```

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

```
.background{ background-color: rgb(89, 148,  
203) }
```

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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