

# Converting Colors

XYZ(25.8132, 28.0945, 61.8030)

Have a look what the booklet for  
XYZ(25.8132, 28.0945, 61.8030)  
contains.

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# Color

**XYZ(25.7914, 27.9774,  
61.7984)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5895CD
RGB	88, 149, 205
RGB Percent	35%, 58%, 80%
CMY	0.6549, 0.4157, 0.1961
CMYK	0.57, 0.27, 0.00, 0.20
HSL	209°, 54%, 57%
HSV	209°, 57%, 80%
XYZ	25.7914, 27.9774, 61.7984
YIQ	137.1450, -54.3320, 4.4840

# Conversions

## Conversions Part 2

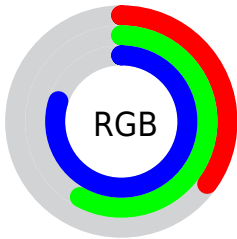
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 128, 205
Decimal	5805517
CIE <sub>Lab</sub>	59.87, -3.31, -34.78
CIE <sub>LCh</sub>	60, 34.941, 264.557
Yxy	27.9774, 0.2232, 0.2421
Android (android.graphics.Color)	4283995597 (0xFF5895CD)
YUV	137.1450, 33.4525, -43.1002
Hunter-Lab	52.8937, -5.5258, -32.2460

# Details

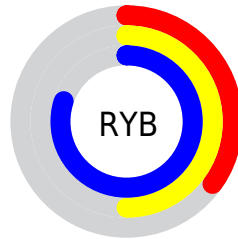
The XYZ color **25.7914, 27.9774, 61.7984** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **36.9127, 33.6318, 13.7799**, and the grayscale version is **23.7259, 24.9615, 27.1830**.

A 20% lighter version of the original color is **51.2600, 56.0429, 102.7234**, and **10.1980, 11.2449, 30.4871** is the 20% darker color. If you saturate the color by 10%, you get **22.6293, 24.1394, 61.2248**, and if you desaturate by 10%, it is **29.6318, 32.3603, 62.4425**.

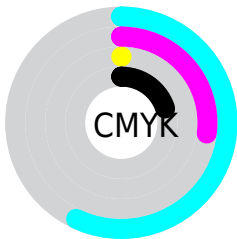
# Distribution



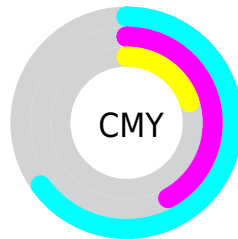
- Red (35%)
- Green (58%)
- Blue (80%)



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



- Cyan (57%)
- Magenta (27%)
- Yellow (0%)
- Black (20%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7914, 27.9774, 61.7984 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 25.7914, 27.9774, 61.7984 by changing the saturation by 10% instead.



■ 25.7914, 27.9774,  
61.7984

■ 25.7914, 27.9774,  
61.7984

274.0321,  
292.3589, 449.1827

■ 16.7995, 18.3086,  
44.4351

■ 52.3719, 56.4484,  
109.0029

■ 10.1861, 11.1718,  
30.6730

■ 70.6913, 76.0193,  
139.6811

■ 5.5857, 6.1825,  
20.0936

■ 92.8505, 99.6598,  
175.6348

■ 2.6331, 2.9564,  
12.2783

■ 119.2150,  
127.7542, 217.2823

■ 0.9628, 1.1090,  
6.8087

150.1500,  
160.6869, 265.0423

■ 0.0000, 0.0000,  
3.2661

186.0209,

■ 0.0000, 0.0000,

198.8424, 319.3334

1.2321

227.1932,  
242.6049, 380.5740

■ 0.0000, 0.0000,  
0.0051

■ 0.0000, 0.0000,  
0.0000

■ 25.7914, 27.9774,  
61.7984

■ 25.7914, 27.9774,  
61.7984

■ 22.6293, 24.1394,  
61.2248

■ 29.6318, 32.3603,  
62.4425

■ 20.0922, 20.8125,  
60.7164

■ 34.1923, 37.3126,  
63.1580

■ 18.1229, 17.9628,  
60.2701

■ 39.5143, 42.8608,  
63.9484

■ 16.6441, 15.5453,  
59.8814

■ 45.6353, 49.0283,  
64.8163

■ 16.2646, 14.8980,  
59.7765

■ 52.5899, 55.8373,  
65.7640

■ 60.4108, 63.3086,  
66.7939

■ 69.1287, 71.4620,  
67.9082

■ 78.7727, 80.3164,  
69.1090

■ 82.6341, 86.4169,  
70.0830

# Harmonies

## Analogous

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



21.9489, 27.9774, 54.9922



25.7914, 27.9774, 61.7984



30.2938, 27.9774, 58.4968

# Triad

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



25.7914, 27.9774, 61.7984



35.1221, 27.9774, 21.4018



20.2344, 27.9774, 18.3864

# Complementary

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



25.7914, 27.9774, 61.7984



36.9127, 33.6318, 13.7799

# 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.



23.2042, 27.9774, 13.2171



25.7914, 27.9774, 61.7984



31.8470, 27.9774, 14.5889

# Square

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



25.7914, 27.9774, 61.7984



36.0114, 27.9774, 32.8371



27.4083, 27.9774, 12.0507



18.9770, 27.9774, 28.2055



# Rectangle

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



25.7914, 27.9774, 61.7984



33.0316, 27.9774, 51.3774



27.4083, 27.9774, 12.0507



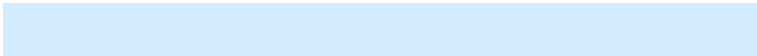
21.0484, 27.9774, 16.1692

# Sweetspot

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



25.7924, 27.9784, 61.7991



74.5949, 80.1537, 106.1474



30.7845, 47.7092, 33.4157



15.5073, 16.6989, 22.6558



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.



25.7924, 27.9784, 61.7991



36.2482, 38.5024, 100.1290



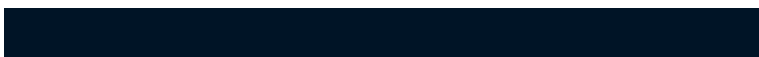
18.8636, 14.1208, 59.4895



11.0775, 11.7955, 14.2633



10.2211, 9.4661, 37.2447



0.6030, 0.6398, 1.9467



# Inverse Universe

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



34.0923, 22.1296, 30.9093



51.6740, 30.2131, 42.1398



47.8489, 55.5043, 17.4253



11.4525, 11.3097, 12.9175



17.3700, 8.7586, 9.6671



0.9343, 0.4671, 0.7000



# Previews

## White Background



This preview shows how the XYZ color 25.7914, 27.9774, 61.7984 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 25.7914, 27.9774, 61.7984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

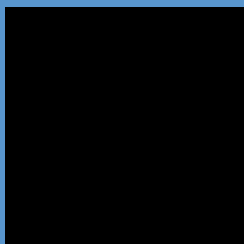
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

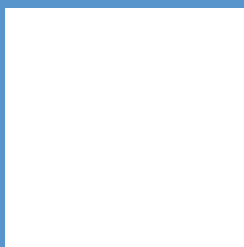
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.7914, 27.9774, 61.7984**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7914, 27.9774, 61.7984.



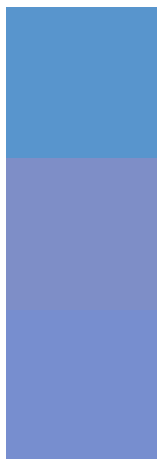
This preview shows how white text looks on a background with the XYZ color 25.7914, 27.9774,



# 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

25.7914, 27.9774, 61.7984

### Protanopia

28.5860, 27.9051, 57.9124

### Deuteranopia

28.5432, 27.7729, 62.8878



## **Tritanopia**

21.7040, 28.0206, 41.3104

# Trichromacy



## Original Color

25.7914, 27.9774, 61.7984

## Protanomaly

27.3501, 27.9126, 59.2045

## Deuteranomaly

27.4503, 27.8952, 62.3300

## Tritanomaly

22.8736, 27.7384, 47.8645

# Monochromacy



## Original Color

25.7914, 27.9774, 61.7984

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

23.6542, 25.5803, 37.8732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7914, 27.9774, 61.7984 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(88, 149, 205)` looks like.

```
.text, #text, p{  
    color:rgb(88, 149, 205)  
}
```

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(88, 149, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 149, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7914, 27.9774, 61.7984 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(88, 149, 205) }
```



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

```
.border{ border-color:rgb(88, 149, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 149, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 149, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 149, 205);  
box-shadow:4px 4px 4px 4px rgb(88, 149,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7914, 27.9774, 61.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 149, 205) }
```

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

```
.background{ background-color: rgb(88, 149,  
205) }
```

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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