

# Converting Colors

XYZ(25.6022, 25.2687, 67.3340)

Have a look what the booklet for  
XYZ(25.6022, 25.2687, 67.3340)  
contains.

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# Color

**XYZ(25.5405, 25.2561,  
67.1471)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B8AD6
RGB	91, 138, 214
RGB Percent	36%, 54%, 84%
CMY	0.6431, 0.4588, 0.1608
CMYK	0.57, 0.36, 0.00, 0.16
HSL	217°, 60%, 60%
HSV	217°, 57%, 84%
XYZ	25.5405, 25.2561, 67.1471
YIQ	132.6110, -52.4080, 13.6720

# Conversions

## Conversions Part 2

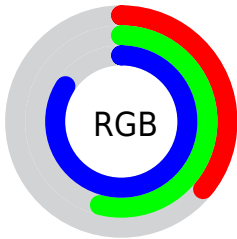
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 125, 214
Decimal	5999318
CIE Lab	57.32, 6.60, -43.82
CIE LCh	57, 44.310, 278.565
Yxy	25.2561, 0.2165, 0.2141
Android (android.graphics.Color)	4284189398 (0xFF5B8AD6)
YUV	132.6110, 40.1248, -36.4928
Hunter-Lab	50.2554, 2.7691, -44.0395

# Details

The XYZ color **25.5405, 25.2561, 67.1471** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **43.4403, 42.6914, 15.8498**, and the grayscale version is **22.0268, 23.1739, 25.2364**.

A 20% lighter version of the original color is **49.0752, 50.8712, 101.8403**, and **10.0989, 9.7864, 34.1576** is the 20% darker color. If you saturate the color by 10%, you get **21.9408, 20.7537, 66.4683**, and if you desaturate by 10%, it is **29.9745, 30.5322, 67.9323**.

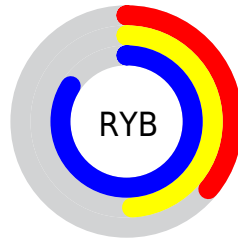
# Distribution



Red (36%)

Green (54%)

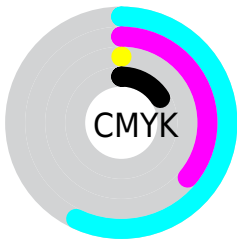
Blue (84%)



Red (36%)

Yellow (49%)

Blue (84%)

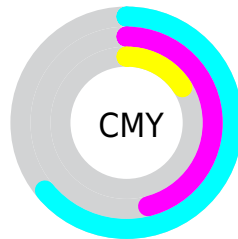


Cyan (57%)

Magenta (36%)

Yellow (0%)

Black (16%)



Cyan (64%)

Magenta (46%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5405, 25.2561, 67.1471 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 25.5405, 25.2561, 67.1471 by changing the saturation by 10% instead.



■ 25.5405, 25.2561,  
67.1471

■ 25.5405, 25.2561,  
67.1471

272.8173,  
279.1109, 468.9839

■ 16.6111, 16.2680,  
48.7418

■ 51.9693, 52.0724,  
116.7738

■ 10.0512, 9.7140,  
34.0506

■ 70.1994, 70.6693,  
148.8323

■ 5.4954, 5.2097,  
22.6548

■ 92.2605, 93.2380,  
186.2790

■ 2.5785, 2.3708,  
14.1359

■ 118.5179,  
120.1628, 229.5324

■ 0.9350, 0.8108,  
8.0754

149.3369,  
151.8281, 279.0111

■ 0.0000, 0.0000,  
4.0548

185.0829,

■ 0.0000, 0.0000,

188.6183, 335.1335

1.6554

226.1212,  
230.9178, 398.3183

■ 0.0000, 0.0000,  
0.3299

■ 0.0000, 0.0000,  
0.0000

■ 25.5405, 25.2561,  
67.1471

■ 25.5405, 25.2561,  
67.1471

■ 21.9408, 20.7537,  
66.4683

■ 29.9745, 30.5322,  
67.9323

■ 19.1116, 16.9788,  
65.8888

■ 35.2943, 36.6192,  
68.8268

■ 16.9834, 13.8830,  
65.4034

■ 41.5502, 43.5544,  
69.8357

■ 15.4624, 11.4040,  
65.0051

■ 48.7877, 51.3719,  
70.9632

■ 15.1375, 10.8546,  
64.9161

■ 57.0493, 60.1038,  
72.2132

■ 66.3749, 69.7804,  
73.5895

■ 76.8020, 80.4306,  
75.0956

■ 85.6647, 90.6891,  
76.6086

■ 89.1377, 97.6351,  
77.7662

# Harmonies

## Analogous

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



20.5013, 25.2561, 64.1511



25.5405, 25.2561, 67.1471



30.8654, 25.2561, 56.8704

# Triad

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



25.5405, 25.2561, 67.1471



32.7965, 25.2561, 13.1254



15.7802, 25.2561, 18.2284

# Complementary

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



25.5405, 25.2561, 67.1471



43.4403, 42.6914, 15.8498

# 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.



18.2451, 25.2561, 10.5207



25.5405, 25.2561, 67.1471



27.8871, 25.2561, 8.4105

# Square

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



25.5405, 25.2561, 67.1471



35.4370, 25.2561, 23.4140



22.5326, 25.2561, 7.6718



15.3415, 25.2561, 32.0349



# Rectangle

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



25.5405, 25.2561, 67.1471



33.6913, 25.2561, 45.5042



22.5326, 25.2561, 7.6718



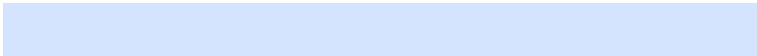
16.3800, 25.2561, 15.0081

# Sweetspot

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



25.5415, 25.2570, 67.1477



72.9028, 76.7695, 105.5833



35.3233, 53.1026, 44.8762



15.1088, 15.9019, 22.5230



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.



25.5415, 25.2570, 67.1477



31.6005, 29.5281, 98.6417



21.7470, 15.3633, 65.4381



12.1277, 12.7788, 15.7649



9.2428, 6.7474, 39.2684



0.6362, 0.5645, 2.3947



# Inverse Universe

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



36.0610, 23.6146, 26.7028



49.2496, 28.9432, 30.2987



49.6618, 61.0804, 19.0714



12.6176, 12.4986, 13.9268



17.7242, 9.0260, 5.8517



1.1088, 0.5603, 0.5623



# Previews

## White Background



This preview shows how the XYZ color 25.5405, 25.2561, 67.1471 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 25.5405, 25.2561, 67.1471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

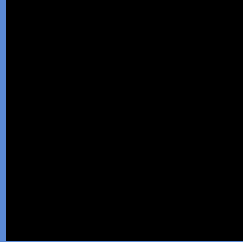
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 25.5405, 25.2561, 67.1471

## Background



This preview shows how black text looks on a background with the XYZ color 25.5405, 25.2561, 67.1471.



This preview shows how white text looks on a background with the XYZ color 25.5405, 25.2561,



# 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

25.5405, 25.2561, 67.1471

### Protanopia

26.8523, 25.3461, 65.1050

### Deuteranopia

25.9071, 25.2332, 67.1234



## Tritanopia

19.6347, 25.3333, 37.5732

# Trichromacy



## Original Color

25.5405, 25.2561, 67.1471

## Protanomaly

26.2813, 25.2453, 65.7750

## Deuteranomaly

25.6994, 25.1260, 67.1136

## Tritanomaly

21.4242, 25.1239, 46.9002

# Monochromacy



## Original Color

25.5405, 25.2561, 67.1471

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

22.6568, 23.7881, 37.5798

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5405, 25.2561, 67.1471 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(91, 138, 214)` looks like.

```
.text, #text, p{  
    color:rgb(91, 138, 214)  
}
```

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(91, 138, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 138, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5405, 25.2561, 67.1471 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(91, 138, 214) }
```



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

```
.border{ border-color:rgb(91, 138, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 138, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 138, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 138, 214);  
box-shadow:4px 4px 4px 4px rgb(91, 138,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5405, 25.2561, 67.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 138, 214) }
```

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

```
.background{ background-color: rgb(91, 138,  
214) }
```

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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