

# Converting Colors

XYZ(25.5678, 29.8578, 50.4676)

Have a look what the booklet for  
XYZ(25.5678, 29.8578, 50.4676)  
contains.

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# Color

**XYZ(25.4693, 29.7665,  
50.3021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	609CB9
RGB	96, 156, 185
RGB Percent	38%, 61%, 73%
CMY	0.6235, 0.3882, 0.2745
CMYK	0.48, 0.16, 0.00, 0.27
HSL	200°, 39%, 55%
HSV	200°, 48%, 73%
XYZ	25.4693, 29.7665, 50.3021
YIQ	141.3660, -45.0690, -3.7010

# Conversions

## Conversions Part 2

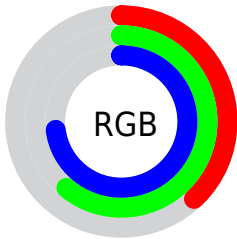
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	96, 132, 185
Decimal	6331577
CIE Lab	61.45, -11.49, -21.07
CIE LCh	61, 24.003, 241.388
Yxy	29.7665, 0.2413, 0.2820
Android (android.graphics.Color)	4284521657 (0xFF609CB9)
YUV	141.3660, 21.5116, -39.7860
Hunter-Lab	54.5587, -12.1496, -16.4732

# Details

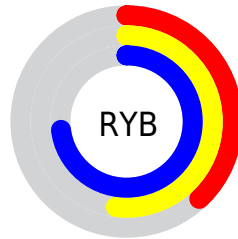
The XYZ color **25.4693, 29.7665, 50.3021** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.4533, 25.8269, 14.5001**, and the grayscale version is **25.3927, 26.7151, 29.0928**.

A 20% lighter version of the original color is **51.9339, 59.5187, 91.9701**, and **10.0531, 12.2004, 23.6549** is the 20% darker color. If you saturate the color by 10%, you get **22.7607, 26.9062, 49.8933**, and if you desaturate by 10%, it is **28.6880, 32.9656, 50.7505**.

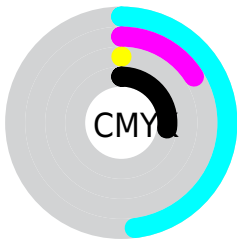
# Distribution



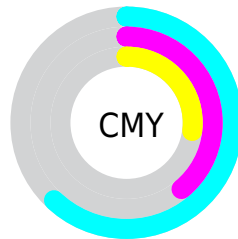
- Red (38%)
- Green (61%)
- Blue (73%)



- Red (38%)
- Yellow (52%)
- Blue (73%)



- Cyan (48%)
- Magenta (16%)
- Yellow (0%)
- Black (27%)



- Cyan (62%)
- Magenta (39%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4693, 29.7665, 50.3021 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 25.4693, 29.7665, 50.3021 by changing the saturation by 10% instead.



■ 25.4693, 29.7665,  
50.3021

■ 25.4693, 29.7665,  
50.3021

272.4718,  
300.8145, 404.6150

■ 16.5576, 19.6614,  
35.2806

■ 51.8550, 59.2927,  
92.0232

■ 10.0129, 12.1492,  
23.5939

■ 70.0597, 79.4826,  
119.5600

■ 5.4699, 6.8454,  
14.8232

■ 92.0928, 103.8030,  
152.1056

■ 2.5631, 3.3656,  
8.5502

■ 118.3197,  
132.6381, 190.0785

■ 0.9272, 1.3254,  
4.3562

149.1057,  
166.3724, 233.8974

■ 0.0000, 0.1608,  
1.8227

184.8161,

■ 0.0000, 0.0000,

205.3904, 283.9808

0.4429

225.8164,  
250.0763, 340.7471

■ 0.0000, 0.0000,  
0.0000

■ 25.4693, 29.7665,  
50.3021

■ 25.4693, 29.7665,  
50.3021

■ 22.7607, 26.9062,  
49.8933

■ 28.6880, 32.9656,  
50.7505

■ 20.5261, 24.3631,  
49.5202

■ 32.4441, 36.5166,  
51.2379

■ 18.7286, 22.1177,  
49.1815

■ 36.7662, 40.4361,  
51.7667

■ 17.3244, 20.1463,  
48.8750

■ 41.6800, 44.7382,  
52.3381

■ 16.2442, 18.4120,  
48.5972

■ 47.2096, 49.4363,  
52.9535

■ 16.0554, 18.0995,  
48.5468

■ 53.3777, 54.5432,  
53.6141

■ 60.2056, 60.0707,  
54.3211

■ 67.7138, 66.0304,  
55.0757

■ 73.1066, 70.9819,  
55.7473

# Harmonies

## Analogous

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



23.3959, 29.7665, 42.3922



25.4693, 29.7665, 50.3021



28.4403, 29.7665, 53.2105

# Triad

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



25.4693, 29.7665, 50.3021



34.8419, 29.7665, 31.9890



25.2313, 29.7665, 19.6633

# Complementary

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



25.4693, 29.7665, 50.3021



29.4533, 25.8269, 14.5001

# 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.



28.1446, 29.7665, 17.8902



25.4693, 29.7665, 50.3021



33.8279, 29.7665, 24.1335

# Square

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



25.4693, 29.7665, 50.3021



33.9948, 29.7665, 41.5211



31.3163, 29.7665, 19.3614



23.2659, 29.7665, 24.7411



# Rectangle

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



25.4693, 29.7665, 50.3021



30.5765, 29.7665, 51.5599



31.3163, 29.7665, 19.3614



26.1245, 29.7665, 18.7088

# Sweetspot

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



25.4703, 29.7676, 50.3028



69.1312, 75.3246, 93.1001



25.8234, 38.6453, 25.2289



14.5075, 15.8894, 20.0239



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.



25.4703, 29.7676, 50.3028



40.3950, 47.7833, 89.2987



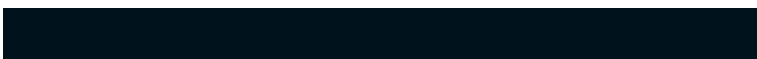
19.4109, 17.6490, 48.2830



9.0134, 9.7040, 11.4774



11.0006, 12.4610, 33.0785



0.4416, 0.5468, 1.1840



# Inverse Universe

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



30.1920, 21.0813, 33.9314



50.2381, 31.6300, 54.7322



36.2488, 39.4179, 16.7652



9.2531, 9.1116, 10.6802



16.1663, 8.0403, 14.0284



0.5970, 0.2943, 0.6374



# Previews

## White Background



This preview shows how the XYZ color 25.4693, 29.7665, 50.3021 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 25.4693, 29.7665, 50.3021 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 25.4693, 29.7665, 50.3021**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.4693, 29.7665, 50.3021.



This preview shows how white text looks on a background with the XYZ color 25.4693, 29.7665,



# 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

25.4693, 29.7665, 50.3021

### Protanopia

29.2993, 29.4348, 46.2567

### Deuteranopia

30.0795, 29.5014, 51.1227



## **Tritanopia**

23.9912, 29.6693, 42.9904

# Trichromacy



## Original Color

25.4693, 29.7665, 50.3021

## Protanomaly

27.7043, 29.5089, 47.9517

## Deuteranomaly

28.0678, 29.4000, 50.6498

## Tritanomaly

24.4076, 29.5757, 45.4966

# Monochromacy



## Original Color

25.4693, 29.7665, 50.3021

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

24.8221, 27.3521, 35.8695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.4693, 29.7665, 50.3021 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(96, 156, 185)` looks like.

```
.text, #text, p{  
    color:rgb(96, 156, 185)  
}
```

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(96, 156, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 156, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 25.4693, 29.7665, 50.3021 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(96, 156, 185) }
```



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

```
.border{ border-color:rgb(96, 156, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 156, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 156, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 156, 185);  
box-shadow:4px 4px 4px 4px rgb(96, 156,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.4693, 29.7665, 50.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 156, 185) }
```

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

```
.background{ background-color: rgb(96, 156,  
185) }
```

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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