

# Converting Colors

XYZ(27.6049, 29.7353, 62.6081)

Have a look what the booklet for  
XYZ(27.6049, 29.7353, 62.6081)  
contains.

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# Color

**XYZ(27.6774, 29.8913,  
62.7034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6399CE
RGB	99, 153, 206
RGB Percent	39%, 60%, 81%
CMY	0.6117, 0.4000, 0.1922
CMYK	0.52, 0.26, 0.00, 0.19
HSL	210°, 52%, 60%
HSV	210°, 52%, 81%
XYZ	27.6774, 29.8913, 62.7034
YIQ	142.8960, -49.1970, 5.0350

# Conversions

## Conversions Part 2

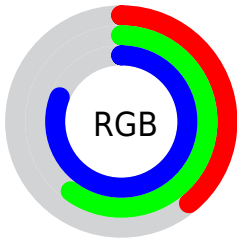
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 135, 206
Decimal	6527438
CIE Lab	61.56, -2.90, -32.67
CIE LCh	62, 32.799, 264.924
Yxy	29.8913, 0.2301, 0.2485
Android (android.graphics.Color)	4284717518 (0xFF6399CE)
YUV	142.8960, 31.1103, -38.4968
Hunter-Lab	54.6729, -5.3145, -29.7276

# Details

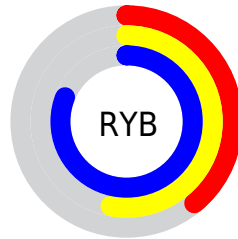
The XYZ color **27.6774, 29.8913, 62.7034** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.9351, 36.4807, 16.7951**, and the grayscale version is **25.9618, 27.3139, 29.7448**.

A 20% lighter version of the original color is **54.0731, 58.9136, 103.1292**, and **11.1366, 12.1492, 31.0362** is the 20% darker color. If you saturate the color by 10%, you get **24.1081, 25.6775, 62.0788**, and if you desaturate by 10%, it is **31.9656, 34.6888, 63.4040**.

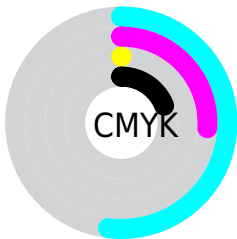
# Distribution



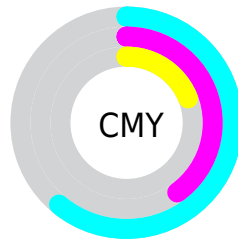
- Red (39%)
- Green (60%)
- Blue (81%)



- Red (39%)
- Yellow (53%)
- Blue (81%)



- Cyan (52%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (40%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6774, 29.8913, 62.7034 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 27.6774, 29.8913, 62.7034 by changing the saturation by 10% instead.



■ 27.6774, 29.8913,  
62.7034

■ 27.6774, 29.8913,  
62.7034

283.0303,  
301.3974, 452.5705

■ 18.2218, 19.7561,  
45.1618

■ 55.3812, 59.4902,  
110.3229

■ 11.2100, 12.2179,  
31.2410

■ 74.3602, 79.7228,  
141.2380

■ 6.2766, 6.8922,  
20.5225

■ 97.2444, 104.0898,  
177.4480

■ 3.0562, 3.3948,  
12.5876

■ 124.3991,  
132.9759, 219.3714

■ 1.1836, 1.3412,  
7.0178

156.1896,  
166.7653, 267.4268

■ 0.0933, 0.1727,  
3.3946

192.9815,

■ 0.0000, 0.0000,

205.8424, 322.0328

1.2995

235.1399,  
250.5916, 383.6079

■ 0.0000, 0.0000,  
0.0614

■ 0.0000, 0.0000,  
0.0000

■ 27.6774, 29.8913,  
62.7034

■ 27.6774, 29.8913,  
62.7034

■ 24.1081, 25.6775,  
62.0788

■ 31.9656, 34.6888,  
63.4040

■ 21.2064, 22.0141,  
61.5246

■ 37.0129, 40.0942,  
64.1813

■ 18.9186, 18.8685,  
61.0380

■ 42.8599, 46.1340,  
65.0389

■ 17.1796, 16.2013,  
60.6148

■ 49.5433, 52.8317,  
65.9795

■ 16.0871, 14.3491,  
60.3149

■ 57.0974, 60.2098,  
67.0054

■ 65.5546, 68.2893,  
68.1192

■ 74.9453, 77.0903,  
69.3230

■ 81.9843, 84.9235,  
70.4640

■ 84.9841, 90.9230,  
71.4639

# Harmonies

## Analogous

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



23.8713, 29.8913, 56.3431



27.6774, 29.8913, 62.7034



32.0824, 29.8913, 59.4532

# Triad

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



27.6774, 29.8913, 62.7034



36.6887, 29.8913, 23.4614



22.1021, 29.8913, 20.6331

# Complementary

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



27.6774, 29.8913, 62.7034



38.9351, 36.4807, 16.7951

# 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.



25.0305, 29.8913, 15.3012



27.6774, 29.8913, 62.7034



33.4921, 29.8913, 16.6183

# Square

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



27.6774, 29.8913, 62.7034



37.5805, 29.8913, 34.7115



29.1570, 29.8913, 14.0454



20.8690, 29.8913, 30.4735



# Rectangle

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



27.6774, 29.8913, 62.7034



34.7344, 29.8913, 52.6180



29.1570, 29.8913, 14.0454



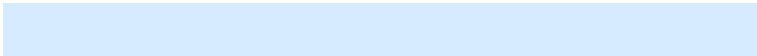
22.9054, 29.8913, 18.3644

# Sweetspot

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



27.6784, 29.8924, 62.7041



75.4883, 80.8429, 106.2333



32.7809, 49.0213, 36.8933



15.6765, 16.8212, 22.6705



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

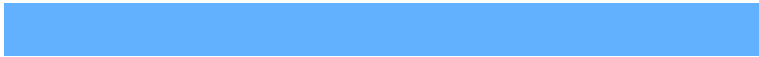


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6784, 29.8924, 62.7041



38.6296, 41.0768, 100.5004



20.9200, 16.3756, 60.4513



11.0618, 11.7640, 14.2580



10.0031, 9.0302, 37.1720



0.5919, 0.6176, 1.9430



# Inverse Universe

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



35.6661, 24.3466, 32.9575



53.4101, 32.9528, 44.9773



49.3509, 57.3122, 20.2670



11.4446, 11.3066, 12.8756



17.2600, 8.7146, 9.0878



0.9287, 0.4649, 0.6706



# Previews

## White Background



This preview shows how the XYZ color 27.6774, 29.8913, 62.7034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

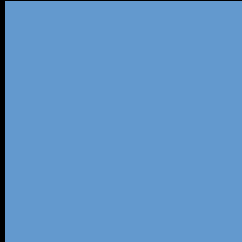
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.6774, 29.8913, 62.7034 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 27.6774, 29.8913, 62.7034

## Background



This preview shows how black text looks on a background with the XYZ color 27.6774, 29.8913, 62.7034.



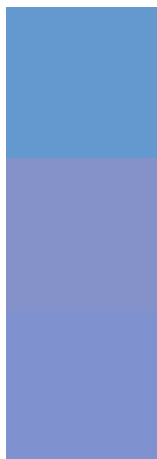
This preview shows how white text looks on a background with the XYZ color 27.6774, 29.8913,



# 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

27.6774, 29.8913, 62.7034

### Protanopia

30.3372, 29.6803, 59.3883

### Deuteranopia

30.2938, 29.5748, 63.1433



## Tritanopia

23.7750, 29.8011, 43.5288

# Trichromacy



## Original Color

27.6774, 29.8913, 62.7034

## Protanomaly

29.2727, 29.7998, 60.7090

## Deuteranomaly

29.3460, 29.7818, 63.2332

## Tritanomaly

25.0231, 29.7988, 49.7803

# Monochromacy



## Original Color

27.6774, 29.8913, 62.7034

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

26.0690, 28.1326, 40.1325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.6774, 29.8913, 62.7034 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(99, 153, 206)` looks like.

```
.text, #text, p{  
    color:rgb(99, 153, 206)  
}
```

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(99, 153, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 153, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 27.6774, 29.8913, 62.7034 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(99, 153, 206) }
```



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

```
.border{ border-color:rgb(99, 153, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 153, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 153, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 153, 206);  
box-shadow:4px 4px 4px 4px rgb(99, 153,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.6774, 29.8913, 62.7034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 153, 206) }
```

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

```
.background{ background-color: rgb(99, 153,  
206) }
```

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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