

Converting Colors

XYZ(27.1937, 27.0167, 64.1680)

Have a look what the booklet for
XYZ(27.1937, 27.0167, 64.1680)
contains.

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Color

**XYZ(27.2450, 27.0753,
64.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8ED1
RGB	107, 142, 209
RGB Percent	42%, 56%, 82%
CMY	0.5804, 0.4431, 0.1804
CMYK	0.49, 0.32, 0.00, 0.18
HSL	219°, 53%, 62%
HSV	219°, 49%, 82%
XYZ	27.2450, 27.0753, 64.1117
YIQ	139.1730, -42.3670, 13.4170

Conversions

Conversions Part 2

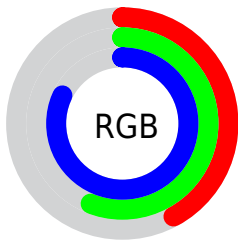
Format	Color
R_{YB}	107, 133, 209
Decimal	7048913
CIE Lab	59.04, 6.21, -38.25
CIE LCh	59, 38.746, 279.222
Yxy	27.0753, 0.2300, 0.2286
Android (android.graphics.Color)	4285238993 (0xFF6B8ED1)
YUV	139.1730, 34.4247, -28.2157
Hunter-Lab	52.0339, 2.4033, -36.6282

Details

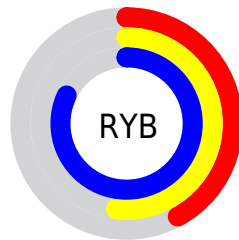
The XYZ color **27.2450, 27.0753, 64.1117** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.0853, 44.8901, 20.2521**, and the grayscale version is **24.4913, 25.7668, 28.0600**.

A 20% lighter version of the original color is **52.6694, 54.0367, 102.2619**, and **10.9265, 10.6404, 32.0498** is the 20% darker color. If you saturate the color by 10%, you get **23.1110, 22.0968, 63.3692**, and if you desaturate by 10%, it is **32.2398, 32.8720, 64.9678**.

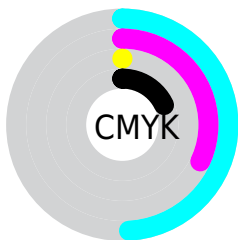
Distribution



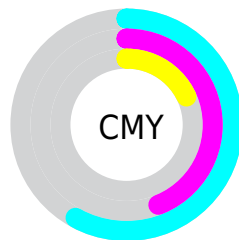
- Red (42%)
- Green (56%)
- Blue (82%)



- Red (42%)
- Yellow (52%)
- Blue (82%)



- Cyan (49%)
- Magenta (32%)
- Yellow (0%)
- Black (18%)



- Cyan (58%)
- Magenta (44%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2450, 27.0753, 64.1117 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 27.2450, 27.0753, 64.1117 by changing the saturation by 10% instead.

■ 27.2450, 27.0753,
64.1117

■ 27.2450, 27.0753,
64.1117

280.9874,
288.0215, 457.8114

■ 17.8948, 17.6298,
46.2944

■ 54.6939, 55.0047,
112.3728

■ 10.9738, 10.6845,
32.1279

■ 73.5233, 74.2573,
143.6537

■ 6.1164, 5.8551,
21.1935

■ 96.2432, 97.5478,
180.2595

■ 2.9573, 2.7572,
13.0729

■ 123.2190,
125.2605, 222.6088

■ 1.1312, 1.0063,
7.3475

154.8159,
157.7798, 271.1200

■ 0.0510, 0.0000,
3.5986

191.3994,

■ 0.0000, 0.0000,

195.4902, 326.2119

1.4078

233.3348,
238.7760, 388.3028

■ 0.0000, 0.0000,
0.1478

■ 0.0000, 0.0000,
0.0000

■ 27.2450, 27.0753,
64.1117

■ 27.2450, 27.0753,
64.1117

■ 23.1110, 22.0968,
63.3692

■ 32.2398, 32.8720,
64.9678

■ 19.7812, 17.8923,
62.7331

■ 38.1411, 39.5219,
65.9404

■ 17.1964, 14.4175,
62.1986

■ 44.9948, 47.0613,
67.0344

■ 15.2867, 11.6211,
61.7595

■ 52.8426, 55.5234,
68.2541

■ 13.9463, 9.4321,
61.4077

■ 61.7237, 64.9395,
69.6035

■ 13.8077, 9.2015,
61.3704

■ 71.6752, 75.3396,
71.0864

■ 82.7321, 86.7521,
72.7065

■ 87.5061, 95.3783,
74.1199

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



22.5911, 27.0753, 61.8229



27.2450, 27.0753, 64.1117



32.0360, 27.0753, 55.1261

Triad

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



27.2450, 27.0753, 64.1117



33.5838, 27.0753, 15.7043



18.0202, 27.0753, 21.0479

Complementary

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



27.2450, 27.0753, 64.1117



44.0853, 44.8901, 20.2521

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.



20.3184, 27.0753, 13.3546



27.2450, 27.0753, 64.1117



29.1562, 27.0753, 11.0041

Square

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



27.2450, 27.0753, 64.1117



35.9843, 27.0753, 25.4362



24.2804, 27.0753, 10.3040



17.6428, 27.0753, 33.9320

Rectangle

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



27.2450, 27.0753, 64.1117



34.5253, 27.0753, 45.2157



24.2804, 27.0753, 10.3040



18.5786, 27.0753, 17.8986

Sweetspot

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



27.2460, 27.0763, 64.1124



74.8530, 78.4574, 105.8064



36.4366, 51.7562, 47.7581



15.4776, 16.2038, 22.5618



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.



27.2460, 27.0763, 64.1124



35.7407, 34.0316, 99.2928



24.8359, 19.2795, 62.7345



11.4906, 12.0715, 14.9681



8.5963, 5.8392, 37.8665



0.5538, 0.4728, 2.1416

Inverse Universe

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



36.4355, 26.0247, 28.6951



52.2614, 33.6779, 35.2759



47.6263, 58.0928, 22.6139



11.9738, 11.8742, 13.1377



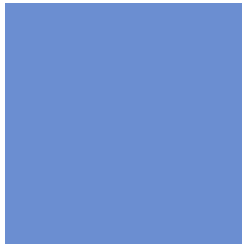
16.9698, 8.6607, 4.7469



0.9858, 0.4990, 0.4598

Previews

White Background



This preview shows how the XYZ color 27.2450, 27.0753, 64.1117 looks on a white background.

Color Contrast Check

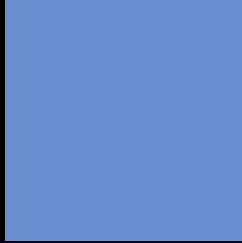
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2450, 27.0753, 64.1117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

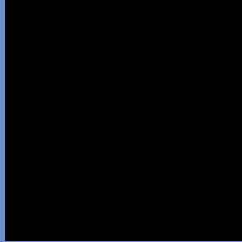
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2450, 27.0753, 64.1117

Background



This preview shows how black text looks on a background with the XYZ color 27.2450, 27.0753, 64.1117.



This preview shows how white text looks on a background with the XYZ color 27.2450, 27.0753,

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

27.2450, 27.0753, 64.1117

Protanopia

28.1029, 26.8922, 62.7410

Deuteranopia

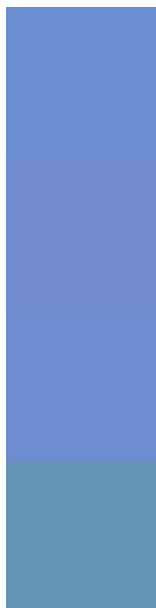
27.7156, 27.0979, 64.0913



Tritanopia

22.1917, 27.1047, 38.7124

Trichromacy



Original Color

27.2450, 27.0753, 64.1117

Protanomaly

27.8335, 26.9551, 63.4104

Deuteranomaly

27.4639, 26.9682, 64.0795

Tritanomaly

23.8651, 27.0718, 47.1476

Monochromacy



Original Color

27.2450, 27.0753, 64.1117

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.8313, 25.9485, 38.8218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2450, 27.0753, 64.1117 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(107, 142, 209)` looks like.

```
.text, #text, p{  
    color:rgb(107, 142, 209)  
}
```

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(107, 142, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 142, 209) }
```

Border

The CSS property to change the border of an element to XYZ 27.2450, 27.0753, 64.1117 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(107, 142, 209) }
```


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

```
.border{ border-color:rgb(107, 142, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 142, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 142, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 142, 209);  
box-shadow:4px 4px 4px 4px rgb(107, 142,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2450, 27.0753, 64.1117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 142, 209) }
```

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

```
.background{ background-color: rgb(107,  
142, 209) }
```

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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