

Converting Colors

XYZ(27.3784, 20.8700, 84.6466)

Have a look what the booklet for
XYZ(27.3784, 20.8700, 84.6466)
contains.

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Color

**XYZ(27.4662, 20.9438,
85.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	6A70F0
RGB	106, 112, 240
RGB Percent	42%, 44%, 94%
CMY	0.5843, 0.5608, 0.0588
CMYK	0.56, 0.53, 0.00, 0.06
HSL	237°, 82%, 68%
HSV	237°, 56%, 94%
XYZ	27.4662, 20.9438, 85.0330
YIQ	124.7980, -44.6640, 38.5360

Conversions

Conversions Part 2

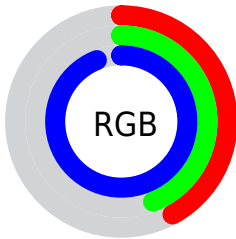
Format	Color
R _Y B	106, 112, 240
Decimal	6975728
CIE Lab	52.89, 33.63, -65.41
CIE LCh	53, 73.548, 297.214
Yxy	20.9438, 0.2058, 0.1569
Android (android.graphics.Color)	4285165808 (0xFF6A70F0)
YUV	124.7980, 56.7946, -16.4858
Hunter-Lab	45.7644, 27.0418, -78.1293

Details

The XYZ color **27.4662, 20.9438, 85.0330** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **67.9618, 78.4152, 25.1911**, and the grayscale version is **19.2522, 20.2548, 22.0575**.

A 20% lighter version of the original color is **47.0513, 41.8779, 100.2111**, and **11.0738, 7.4430, 45.6527** is the 20% darker color. If you saturate the color by 10%, you get **22.7871, 15.2426, 84.1797**, and if you desaturate by 10%, it is **33.5890, 28.3453, 86.1394**.

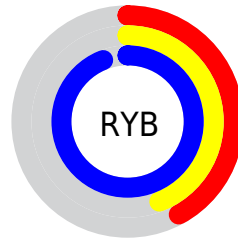
Distribution



Red (42%)

Green (44%)

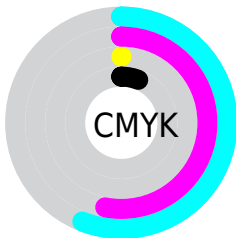
Blue (94%)



Red (42%)

Yellow (44%)

Blue (94%)

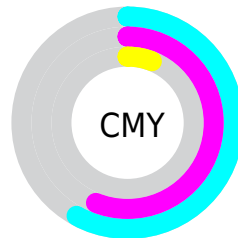


Cyan (56%)

Magenta (53%)

Yellow (0%)

Black (6%)



Cyan (58%)

Magenta (56%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4662, 20.9438, 85.0330 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 27.4662, 20.9438, 85.0330 by changing the saturation by 10% instead.

■ 27.4662, 20.9438,
85.0330

■ 27.4662, 20.9438,
85.0330

282.0339,
256.9797, 531.8847

■ 18.0621, 13.0829,
63.3183

■ 55.0457, 44.9940,
142.2939

■ 11.0945, 7.4857,
45.6561

■ 73.9518, 61.9521,
178.6771

■ 6.1982, 3.7677,
31.6279

■ 96.7558, 82.7114,
220.7870

■ 3.0078, 1.5445,
20.8149

■ 123.8233,
107.6563, 269.0421

■ 1.1579, 0.3197,
12.7989

155.5195,
137.1712, 323.8608

■ 0.0727, 0.0000,
7.1611

192.2097,

■ 0.0000, 0.0000,

171.6404, 385.6618

3.4831

234.2594,
211.4485, 454.8636

■ 0.0000, 0.0000,
1.3463

■ 0.0000, 0.0000,
0.0993

■ 27.4662, 20.9438,
85.0330

■ 27.4662, 20.9438,
85.0330

■ 22.7871, 15.2426,
84.1797

■ 33.5890, 28.3453,
86.1394

■ 19.4304, 11.1048,
83.5579

■ 41.2579, 37.5658,
87.5150

■ 17.2601, 8.3754,
83.1455

■ 50.5691, 48.7154,
89.1763

■ 16.1089, 6.8667,
82.9149

■ 61.6104, 61.8951,
91.1383

■ 15.8449, 6.5247,
82.8628

■ 74.4632, 77.1987,
93.4148

■ 89.2038, 94.7141,
96.0187

■ 92.7283, 99.0713,
96.6739

Harmonies

Analogous

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



19.1960, 20.9438, 96.6837



27.4662, 20.9438, 85.0330



35.1113, 20.9438, 54.2962

Triad

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



27.4662, 20.9438, 85.0330



29.0388, 20.9438, 2.5127



8.4857, 20.9438, 20.8063

Complementary

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



27.4662, 20.9438, 85.0330



67.9618, 78.4152, 25.1911

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.



9.8806, 20.9438, 6.6967



27.4662, 20.9438, 85.0330



20.6342, 20.9438, 1.2662

Square

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



27.4662, 20.9438, 85.0330



36.1715, 20.9438, 8.3993



13.8792, 20.9438, 2.0685



9.4367, 20.9438, 48.1815

Rectangle

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



27.4662, 20.9438, 85.0330



38.0967, 20.9438, 33.5234



13.8792, 20.9438, 2.0685



8.6851, 20.9438, 14.6548

Sweetspot

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



27.4672, 20.9444, 85.0336



69.0434, 69.0506, 104.2969



51.8559, 71.2855, 88.3427



14.2072, 14.0987, 22.2225



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.



27.4672, 20.9444, 85.0336



25.5289, 16.7303, 96.4915



36.6726, 24.7406, 85.2811



14.9540, 15.3421, 19.8948



8.6990, 3.6222, 45.3685



0.7435, 0.3410, 3.7808

Inverse Universe

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



44.0148, 30.0046, 18.8012



46.3447, 28.3931, 13.1157



52.5155, 73.0290, 24.9656



15.8015, 15.7703, 16.5107



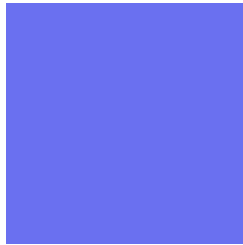
19.7165, 10.1590, 1.1576



1.6502, 0.8491, 0.1490

Previews

White Background



This preview shows how the XYZ color 27.4662, 20.9438, 85.0330 looks on a white background.

Color Contrast Check

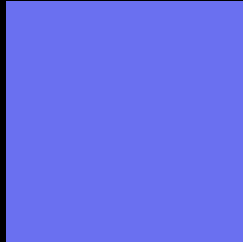
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4662, 20.9438, 85.0330 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 27.4662, 20.9438, 85.0330

Background



This preview shows how black text looks on a background with the XYZ color 27.4662, 20.9438, 85.0330.



This preview shows how white text looks on a background with the XYZ color 27.4662, 20.9438,

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

27.4662, 20.9438, 85.0330

Protanopia

25.0071, 21.0483, 93.1872

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

16.5910, 21.0232, 30.3776

Trichromacy



Original Color

27.4662, 20.9438, 85.0330

Protanomaly

25.2930, 20.7345, 89.8579

Deuteranomaly

22.0792, 20.0636, 77.5719

Tritanomaly

19.4837, 20.3588, 46.0828

Monochromacy



Original Color

27.4662, 20.9438, 85.0330

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.1627, 20.0745, 39.3186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4662, 20.9438, 85.0330 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(106, 112, 240)` looks like.

```
.text, #text, p{  
    color:rgb(106, 112, 240)  
}
```

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(106, 112, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 112, 240) }
```

Border

The CSS property to change the border of an element to XYZ 27.4662, 20.9438, 85.0330 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(106, 112, 240) }
```


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

```
.border{ border-color:rgb(106, 112, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 112, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 112, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 112, 240);  
box-shadow:4px 4px 4px 4px rgb(106, 112,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4662, 20.9438, 85.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 112, 240) }
```

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

```
.background{ background-color: rgb(106,  
112, 240) }
```

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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