

Converting Colors

XYZ(27.7720, 21.7213, 89.9236)

Have a look what the booklet for
XYZ(27.7720, 21.7213, 89.9236)
contains.

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Color

**XYZ(27.7038, 21.6314,
89.9039)**

Conversions

Conversions Part 1

Format	Color
Hex	6074F6
RGB	96, 116, 246
RGB Percent	38%, 45%, 96%
CMY	0.6235, 0.5451, 0.0353
CMYK	0.61, 0.53, 0.00, 0.04
HSL	232°, 89%, 67%
HSV	232°, 61%, 96%
XYZ	27.7038, 21.6314, 89.9039
YIQ	124.8400, -53.6500, 36.1900

Conversions

Conversions Part 2

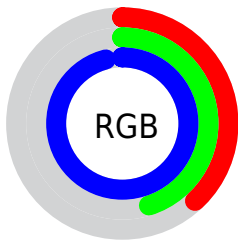
Format	Color
R_{YB}	96, 114, 246
Decimal	6321398
CIE _{Lab}	53.63, 31.37, -67.57
CIE _{LCh}	54, 74.499, 294.903
Yxy	21.6314, 0.1990, 0.1554
Android (android.graphics.Color)	4284511478 (0xFF6074F6)
YUV	124.8400, 59.7319, -25.2927
Hunter-Lab	46.5096, 24.9332, -82.0520

Details

The XYZ color **27.7038, 21.6314, 89.9039** is a light color, and the websafe version is hex **3366FF**. A complement of this color would be **67.3164, 74.8345, 21.9648**, and the grayscale version is **19.2590, 20.2619, 22.0652**.

A 20% lighter version of the original color is **46.1532, 42.4944, 100.3774**, and **11.2524, 7.8084, 49.0582** is the 20% darker color. If you saturate the color by 10%, you get **23.3266, 16.1357, 89.0743**, and if you desaturate by 10%, it is **33.4564, 28.6735, 90.9605**.

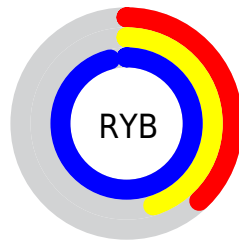
Distribution



Red (38%)

Green (45%)

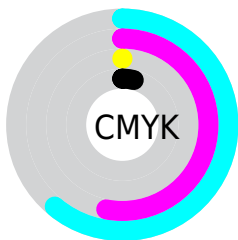
Blue (96%)



Red (38%)

Yellow (45%)

Blue (96%)

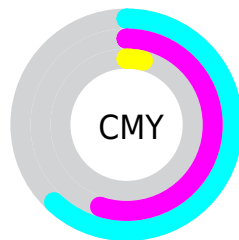


Cyan (61%)

Magenta (53%)

Yellow (0%)

Black (4%)



Cyan (62%)

Magenta (55%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7038, 21.6314, 89.9039 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 27.7038, 21.6314, 89.9039 by changing the saturation by 10% instead.

■ 27.7038, 21.6314,
89.9039

■ 27.7038, 21.6314,
89.9039

283.1547,
260.6153, 548.2802

■ 18.2418, 13.5863,
67.3277

■ 55.4232, 46.1360,
149.1393

■ 11.2245, 7.8335,
48.8877

■ 74.4112, 63.3643,
186.6355

■ 6.2864, 3.9886,
34.1654

■ 97.3054, 84.4225,
229.9421

■ 3.0623, 1.6672,
22.7423

■ 124.4710,
109.6950, 279.4777

■ 1.1868, 0.4023,
14.1998

156.2733,
139.5661, 335.6607

■ 0.0959, 0.0000,
8.1195

193.0778,

■ 0.0000, 0.0000,

174.4202, 398.9098

4.0826

235.2498,
214.6418, 469.6435

■ 0.0000, 0.0000,
1.6708

■ 0.0000, 0.0000,
0.3406

■ 27.7038, 21.6314,
89.9039

■ 27.7038, 21.6314,
89.9039

■ 23.3266, 16.1357,
89.0743

■ 33.4564, 28.6735,
90.9605

■ 20.2043, 12.0660,
88.4534

■ 40.6852, 37.3661,
92.2573

■ 18.1998, 9.2861,
88.0225

■ 49.4847, 47.8065,
93.8087

■ 17.1727, 7.7300,
87.7762

■ 59.9408, 60.0835,
95.6273

■ 72.1330, 74.2803,
97.7250

■ 86.1358, 90.4744,
100.1128

■ 93.6346, 99.4339,
101.4469

Harmonies

Analogous

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



19.2296, 21.6314, 99.7782



27.7038, 21.6314, 89.9039



35.8019, 21.6314, 58.8263

Triad

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



27.7038, 21.6314, 89.9039



30.6784, 21.6314, 2.8102



8.7703, 21.6314, 19.8683

Complementary

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



27.7038, 21.6314, 89.9039



67.3164, 74.8345, 21.9648

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.



10.4056, 21.6314, 6.2680



27.7038, 21.6314, 89.9039



21.9504, 21.6314, 1.3122

Square

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



27.7038, 21.6314, 89.9039



37.8069, 21.6314, 9.4944



14.7637, 21.6314, 1.9679



9.5655, 21.6314, 47.2596

Rectangle

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



27.7038, 21.6314, 89.9039



39.1663, 21.6314, 36.9178



14.7637, 21.6314, 1.9679



9.0381, 21.6314, 13.8794

Sweetspot

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



27.7048, 21.6320, 89.9045



68.7288, 69.5019, 104.4006



51.5083, 73.8902, 83.5001



13.9274, 13.9616, 22.2107



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.



27.7048, 21.6320, 89.9045



24.4664, 16.4252, 96.4886



33.5817, 21.6008, 89.5887



15.7592, 16.2827, 20.8548



9.2225, 4.2388, 46.8701



0.8652, 0.4819, 4.1376

Inverse Universe

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



45.3423, 29.2211, 19.7737



45.3642, 26.2999, 13.1959



56.5543, 77.8334, 23.1108



16.5890, 16.5185, 17.5825



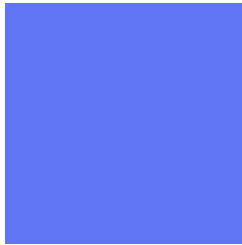
20.4596, 10.5273, 1.8628



1.8258, 0.9363, 0.3090

Previews

White Background



This preview shows how the XYZ color 27.7038, 21.6314, 89.9039 looks on a white background.

Color Contrast Check

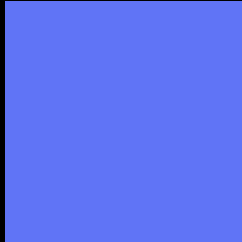
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7038, 21.6314, 89.9039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

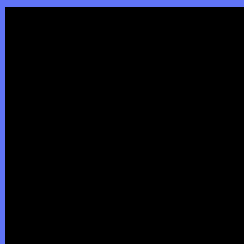
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7038, 21.6314, 89.9039

Background



This preview shows how black text looks on a background with the XYZ color 27.7038, 21.6314, 89.9039.

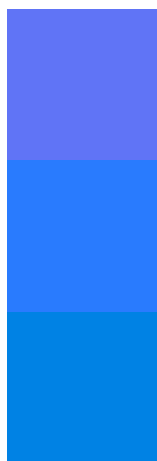


This preview shows how white text looks on a background with the XYZ color 27.7038, 21.6314,

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

27.7038, 21.6314, 89.9039

Protanopia

25.8868, 21.7931, 96.6080

Deuteranopia

21.9862, 21.5667, 76.4028



Tritanopia

16.2794, 21.6686, 32.6026

Trichromacy



Original Color

27.7038, 21.6314, 89.9039

Protanomaly

26.0535, 21.3901, 94.0223

Deuteranomaly

23.0221, 21.0227, 81.4417

Tritanomaly

19.2940, 20.9711, 49.4853

Monochromacy



Original Color

27.7038, 21.6314, 89.9039

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.0604, 20.3610, 40.3562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7038, 21.6314, 89.9039 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, 116, 246)` looks like.

```
.text, #text, p{  
    color:rgb(96, 116, 246)  
}
```

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, 116, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 116, 246) }
```

Border

The CSS property to change the border of an element to XYZ 27.7038, 21.6314, 89.9039 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, 116, 246) }
```


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

```
.border{ border-color:rgb(96, 116, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 116, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 116, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 116, 246);  
box-shadow:4px 4px 4px 4px rgb(96, 116,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7038, 21.6314, 89.9039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 116, 246) }
```

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

```
.background{ background-color: rgb(96, 116,  
246) }
```

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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