

Converting Colors

XYZ(28.5241, 22.0424, 89.6091)

Have a look what the booklet for
XYZ(28.5241, 22.0424, 89.6091)
contains.

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Color

**XYZ(28.5889, 22.0877,
89.9453)**

Conversions

Conversions Part 1

Format	Color
Hex	6874F6
RGB	104, 116, 246
RGB Percent	41%, 45%, 96%
CMY	0.5921, 0.5451, 0.0353
CMYK	0.58, 0.53, 0.00, 0.04
HSL	235°, 89%, 69%
HSV	235°, 58%, 96%
XYZ	28.5889, 22.0877, 89.9453
YIQ	127.2320, -48.8820, 37.8860

Conversions

Conversions Part 2

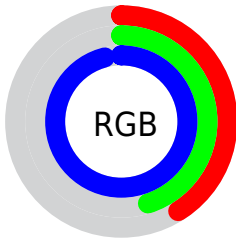
Format	Color
R _Y B	104, 115, 246
Decimal	6845686
CIE Lab	54.12, 32.77, -66.76
CIE LCh	54, 74.371, 296.142
Yxy	22.0877, 0.2033, 0.1571
Android (android.graphics.Color)	4285035766 (0xFF6874F6)
YUV	127.2320, 58.5526, -20.3745
Hunter-Lab	46.9976, 26.3369, -80.5727

Details

The XYZ color **28.5889, 22.0877, 89.9453** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **69.9301, 79.4422, 24.7468**, and the grayscale version is **20.0707, 21.1159, 22.9952**.

A 20% lighter version of the original color is **47.5697, 43.2246, 100.4437**, and **11.7313, 8.0552, 49.0806** is the 20% darker color. If you saturate the color by 10%, you get **23.8496, 16.2467, 89.0682**, and if you desaturate by 10%, it is **34.7921, 29.6177, 91.0723**.

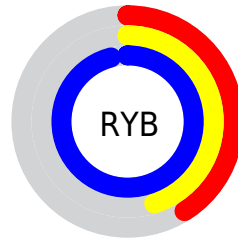
Distribution



Red (41%)

Green (45%)

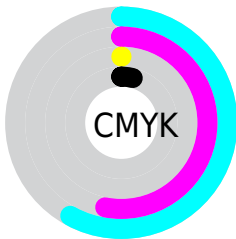
Blue (96%)



Red (41%)

Yellow (45%)

Blue (96%)

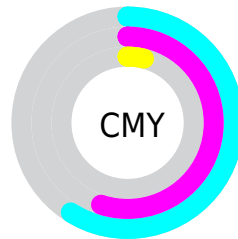


Cyan (58%)

Magenta (53%)

Yellow (0%)

Black (4%)



Cyan (59%)

Magenta (55%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5889, 22.0877, 89.9453 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 28.5889, 22.0877, 89.9453 by changing the saturation by 10% instead.

■ 28.5889, 22.0877,
89.9453

■ 28.5889, 22.0877,
89.9453

287.2996,
263.0039, 548.4184

■ 18.9128, 13.9214,
67.3618

■ 56.8254, 46.8909,
149.1973

■ 11.7109, 8.0660,
48.9153

■ 76.1164, 64.2966,
186.7028

■ 6.6179, 4.1372,
34.1872

■ 99.3432, 85.5508,
230.0195

■ 3.2685, 1.7506,
22.7589

126.8710,
111.0379, 279.5658

■ 1.2973, 0.4561,
14.2119

159.0651,
141.1424, 335.7603

■ 0.1812, 0.0000,
8.1278

196.2911,

■ 0.0000, 0.0000,

176.2486, 399.0216

4.0879

238.9141,
216.7410, 469.7681

■ 0.0000, 0.0000,
1.6737

■ 0.0000, 0.0000,
0.3426

■ 28.5889, 22.0877,
89.9453

■ 28.5889, 22.0877,
89.9453

■ 23.8496, 16.2467,
89.0682

■ 34.7921, 29.6177,
91.0723

■ 20.4501, 11.9616,
88.4202

■ 42.5635, 38.9520,
92.4644

■ 18.2509, 9.0826,
87.9804

■ 52.0014, 50.1977,
94.1376

■ 17.0723, 7.4249,
87.7226

■ 63.1951, 63.4532,
96.1062

■ 16.8988, 7.1821,
87.6849

■ 76.2277, 78.8101,
98.3835

■ 91.1767, 96.3544,
100.9820

■ 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



19.9682, 22.0877, 101.0722



28.5889, 22.0877, 89.9453



36.6719, 22.0877, 58.2199

Triad

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



28.5889, 22.0877, 89.9453



30.8655, 22.0877, 2.8149



9.0169, 22.0877, 21.1856

Complementary

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



28.5889, 22.0877, 89.9453



69.9301, 79.4422, 24.7468

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.



10.5749, 22.0877, 6.8289



28.5889, 22.0877, 89.9453



22.0537, 22.0877, 1.3857

Square

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



28.5889, 22.0877, 89.9453



38.2050, 22.0877, 9.3158



14.8791, 22.0877, 2.1591



9.9285, 22.0877, 49.3843

Rectangle

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



28.5889, 22.0877, 89.9453



39.9208, 22.0877, 36.3232



14.8791, 22.0877, 2.1591



9.2557, 22.0877, 14.9088

Sweetspot

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



28.5899, 22.0884, 89.9459



69.4804, 69.9248, 104.4426



53.2030, 74.6703, 87.8047



14.3088, 14.3018, 22.2563



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.



28.5899, 22.0884, 89.9459



25.2735, 16.8741, 96.5327



36.2443, 24.1128, 89.9332



15.6936, 16.1516, 20.8330



9.0601, 3.9140, 46.8160



0.8341, 0.4197, 4.1273

Inverse Universe

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



46.1097, 30.7560, 20.0295



46.0560, 27.6657, 13.4815



56.4918, 77.7564, 25.1297



16.5559, 16.5052, 17.4082



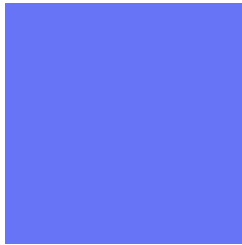
20.3776, 10.4945, 1.4311



1.8101, 0.9300, 0.2264

Previews

White Background



This preview shows how the XYZ color 28.5889, 22.0877, 89.9453 looks on a white background.

Color Contrast Check

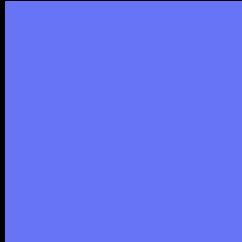
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5889, 22.0877, 89.9453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

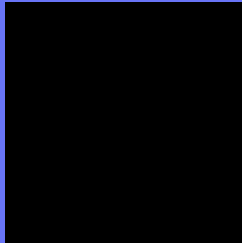
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5889, 22.0877, 89.9453

Background



This preview shows how black text looks on a background with the XYZ color 28.5889, 22.0877, 89.9453.



This preview shows how white text looks on a background with the XYZ color 28.5889, 22.0877,

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

28.5889, 22.0877, 89.9453

Protanopia

26.3398, 22.1932, 97.5032

Deuteranopia

22.5401, 22.0021, 78.6601



Tritanopia

17.1440, 22.1144, 32.6431

Trichromacy



Original Color

28.5889, 22.0877, 89.9453

Protanomaly

26.6548, 21.8613, 94.9102

Deuteranomaly

23.4005, 21.3899, 82.2522

Tritanomaly

20.2037, 21.4400, 49.5279

Monochromacy



Original Color

28.5889, 22.0877, 89.9453

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.9464, 20.9901, 40.9250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5889, 22.0877, 89.9453 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(104, 116, 246)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 116, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 116, 246) }
```

Border

The CSS property to change the border of an element to XYZ 28.5889, 22.0877, 89.9453 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(104, 116, 246) }
```


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

```
.border{ border-color:rgb(104, 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(104, 116, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 116, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 116, 246);  
box-shadow:4px 4px 4px 4px rgb(104, 116,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5889, 22.0877, 89.9453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 116, 246) }
```

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

```
.background{ background-color: rgb(104,  
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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