

Converting Colors

XYZ(29.1046, 22.3118, 90.1556)

Have a look what the booklet for
XYZ(29.1046, 22.3118, 90.1556)
contains.

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Color

**XYZ(29.0643, 22.3327,
89.9676)**

Conversions

Conversions Part 1

Format	Color
Hex	6C74F6
RGB	108, 116, 246
RGB Percent	42%, 45%, 96%
CMY	0.5764, 0.5451, 0.0353
CMYK	0.56, 0.53, 0.00, 0.04
HSL	237°, 88%, 69%
HSV	237°, 56%, 96%
XYZ	29.0643, 22.3327, 89.9676
YIQ	128.4280, -46.4980, 38.7340

Conversions

Conversions Part 2

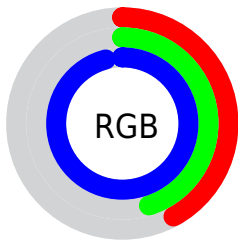
Format	Color
R _Y B	108, 116, 246
Decimal	7107830
CIE Lab	54.38, 33.50, -66.33
CIE LCh	54, 74.313, 296.796
Yxy	22.3327, 0.2056, 0.1580
Android (android.graphics.Color)	4285297910 (0xFF6C74F6)
YUV	128.4280, 57.9630, -17.9154
Hunter-Lab	47.2575, 27.0805, -79.7946

Details

The XYZ color **29.0643, 22.3327, 89.9676** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **71.2901, 81.8291, 26.2266**, and the grayscale version is **20.4838, 21.5505, 23.4685**.

A 20% lighter version of the original color is **48.4148, 43.6603, 100.4833**, and **12.0154, 8.2017, 49.0939** is the 20% darker color. If you saturate the color by 10%, you get **24.1370, 16.3095, 89.0652**, and if you desaturate by 10%, it is **35.5037, 30.1247, 91.1327**.

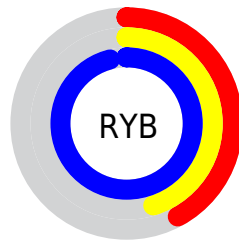
Distribution



Red (42%)

Green (45%)

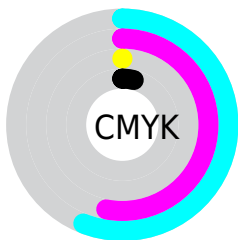
Blue (96%)



Red (42%)

Yellow (45%)

Blue (96%)

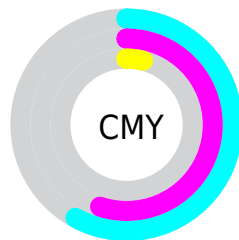


Cyan (56%)

Magenta (53%)

Yellow (0%)

Black (4%)



Cyan (58%)

Magenta (55%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0643, 22.3327, 89.9676 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 29.0643, 22.3327, 89.9676 by changing the saturation by 10% instead.

■ 29.0643, 22.3327,
89.9676

■ 29.0643, 22.3327,
89.9676

289.5070,
264.2788, 548.4928

■ 19.2740, 14.1016,
67.3802

■ 57.5761, 47.2953,
149.2285

■ 11.9736, 8.1913,
48.9301

■ 77.0283, 64.7955,
186.7391

■ 6.7978, 4.2176,
34.1989

■ 100.4318, 86.1542,
230.0612

■ 3.3812, 1.7960,
22.7678

128.1520,
111.7558, 279.6133

■ 1.3584, 0.4847,
14.2185

160.5543,
141.9846, 335.8140

■ 0.2263, 0.0000,
8.1323

198.0040,

■ 0.0000, 0.0000,

177.2252, 399.0818

4.0907

240.8664,
217.8618, 469.8352

■ 0.0000, 0.0000,
1.6752

■ 0.0000, 0.0000,
0.3437

■ 29.0643, 22.3327,
89.9676

■ 29.0643, 22.3327,
89.9676

■ 24.1370, 16.3095,
89.0652

■ 35.5037, 30.1247,
91.1327

■ 20.5952, 11.9145,
88.4036

■ 43.5620, 39.8073,
92.5769

■ 18.2969, 8.9888,
87.9600

■ 53.3398, 51.4939,
94.3173

■ 17.0673, 7.3406,
87.7067

■ 64.9287, 65.2884,
96.3691

■ 16.7951, 6.9747,
87.6504

■ 78.4138, 81.2875,
98.7465

■ 93.6347, 99.4339,
101.4469

Harmonies

Analogous

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



20.3665, 22.3327, 101.7572



29.0643, 22.3327, 89.9676



37.1373, 22.3327, 57.9046

Triad

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



29.0643, 22.3327, 89.9676



30.9665, 22.3327, 2.8185



9.1503, 22.3327, 21.9040

Complementary

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



29.0643, 22.3327, 89.9676



71.2901, 81.8291, 26.2266

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.



10.6666, 22.3327, 7.1388



29.0643, 22.3327, 89.9676



22.1105, 22.3327, 1.4262

Square

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



29.0643, 22.3327, 89.9676



38.4177, 22.3327, 9.2248



14.9421, 22.3327, 2.2655



10.1250, 22.3327, 50.5294

Rectangle

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



29.0643, 22.3327, 89.9676



40.3237, 22.3327, 36.0155



14.9421, 22.3327, 2.2655



9.3735, 22.3327, 15.4726

Sweetspot

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



29.0653, 22.3334, 89.9682



69.1879, 69.3398, 104.3451



54.3982, 75.2033, 91.6171



14.2408, 14.1658, 22.2337



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.



29.0653, 22.3334, 89.9682



25.7265, 17.1255, 96.5574



38.1048, 25.6839, 90.1385



15.6582, 16.0807, 20.8212



8.9961, 3.7859, 46.7946



0.8172, 0.3859, 4.1216

Inverse Universe

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



46.5220, 31.5806, 20.1669



46.4445, 28.4329, 13.6409



55.9623, 77.4594, 26.1910



16.5380, 16.4981, 17.3139



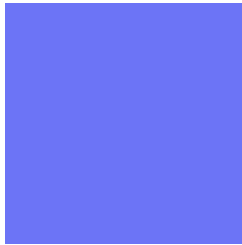
20.3453, 10.4816, 1.2609



1.8016, 0.9266, 0.1815

Previews

White Background



This preview shows how the XYZ color 29.0643, 22.3327, 89.9676 looks on a white background.

Color Contrast Check

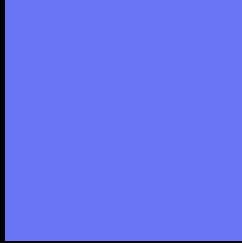
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0643, 22.3327, 89.9676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

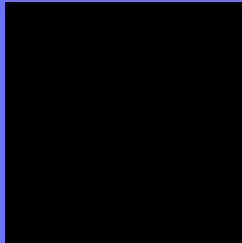
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0643, 22.3327, 89.9676

Background



This preview shows how black text looks on a background with the XYZ color 29.0643, 22.3327, 89.9676.



This preview shows how white text looks on a background with the XYZ color 29.0643, 22.3327,

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

29.0643, 22.3327, 89.9676

Protanopia

26.6025, 22.5156, 97.5516

Deuteranopia

22.8168, 22.3287, 79.4512



Tritanopia

17.6365, 22.3683, 32.6661

Trichromacy



Original Color

29.0643, 22.3327, 89.9676

Protanomaly

27.0560, 22.2494, 94.9640

Deuteranomaly

23.5836, 21.4675, 83.0214

Tritanomaly

20.7255, 21.7091, 49.5523

Monochromacy



Original Color

29.0643, 22.3327, 89.9676

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.4435, 21.4205, 41.4798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0643, 22.3327, 89.9676 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(108, 116, 246)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 116, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 116, 246) }
```

Border

The CSS property to change the border of an element to XYZ 29.0643, 22.3327, 89.9676 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(108, 116, 246) }
```


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

```
.border{ border-color:rgb(108, 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(108, 116, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 116, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 116, 246);  
box-shadow:4px 4px 4px 4px rgb(108, 116,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0643, 22.3327, 89.9676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 116, 246) }
```

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

```
.background{ background-color: rgb(108,  
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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