

Converting Colors

XYZ(30.8787, 22.2087, 77.0926)

Have a look what the booklet for
XYZ(30.8787, 22.2087, 77.0926)
contains.

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Color

**XYZ(30.8331, 22.2219,
76.7929)**

Conversions

Conversions Part 1

Format	Color
Hex	8F6CE5
RGB	143, 108, 229
RGB Percent	56%, 42%, 90%
CMY	0.4392, 0.5765, 0.1020
CMYK	0.38, 0.53, 0.00, 0.10
HSL	257°, 70%, 66%
HSV	257°, 53%, 90%
XYZ	30.8331, 22.2219, 76.7929
YIQ	132.2590, -17.9810, 45.0510

Conversions

Conversions Part 2

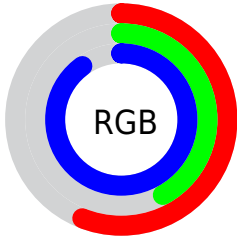
Format	Color
R_{YB}	143, 108, 229
Decimal	9399525
CIE _{Lab}	54.26, 40.70, -56.89
CIE _{LCh}	54, 69.948, 305.585
Y _{xy}	22.2219, 0.2375, 0.1711
Android (android.graphics.Color)	4287589605 (0xFF8F6CE5)
YUV	132.2590, 47.6933, 9.4199
Hunter-Lab	47.1401, 34.2569, -63.5874

Details

The XYZ color **30.8331, 22.2219, 76.7929** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **52.9742, 68.5909, 24.6352**, and the grayscale version is **21.8643, 23.0029, 25.0502**.

A 20% lighter version of the original color is **54.4402, 44.6410, 100.3550**, and **13.0373, 8.1713, 40.4252** is the 20% darker color. If you saturate the color by 10%, you get **26.1114, 16.6614, 75.9689**, and if you desaturate by 10%, it is **36.5996, 29.2630, 77.8485**.

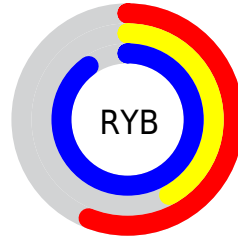
Distribution



Red (56%)

Green (42%)

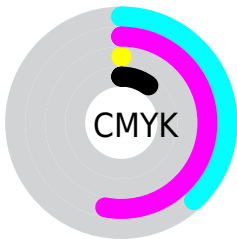
Blue (90%)



Red (56%)

Yellow (42%)

Blue (90%)

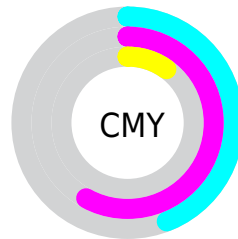


Cyan (38%)

Magenta (53%)

Yellow (0%)

Black (10%)



Cyan (44%)

Magenta (58%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8331, 22.2219, 76.7929 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 30.8331, 22.2219, 76.7929 by changing the saturation by 10% instead.

■ 30.8331, 22.2219,
76.7929

■ 30.8331, 22.2219,
76.7929

297.6093,
263.7029, 503.4765

■ 20.6230, 14.0200,
56.5724

■ 60.3548, 47.1125,
130.6174

■ 12.9596, 8.1346,
40.2549

■ 80.3972, 64.5700,
165.0585

■ 7.4775, 4.1812,
27.4221

■ 104.4477, 85.8815,
205.0769

■ 3.8115, 1.7754,
17.6552

■ 132.8716,
111.4314, 251.0910

■ 1.5960, 0.4718,
10.5359

166.0344,
141.6041, 303.5195

■ 0.3898, 0.0000,
5.6455

204.3014,

■ 0.0000, 0.0000,

176.7840, 362.7809

2.5654

248.0379,
217.3555, 429.2937

■ 0.0000, 0.0000,
0.8745

■ 0.0000, 0.0000,
0.0000

■ 30.8331, 22.2219,
76.7929

■ 30.8331, 22.2219,
76.7929

■ 26.1114, 16.6614,
75.9689

■ 36.5996, 29.2630,
77.8485

■ 22.3634, 12.4685,
75.3571

■ 43.4699, 37.8814,
79.1499

■ 19.5126, 9.5172,
74.9377

■ 51.5017, 48.1683,
80.7121

■ 17.4680, 7.6553,
74.6861

■ 60.7475, 60.2070,
82.5485

■ 16.4062, 6.8239,
74.5816

■ 71.2568, 74.0753,
84.6715

■ 83.0761, 89.8463,
87.0927

■ 91.1429, 98.4372,
88.3257

Harmonies

Analogous

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



22.5777, 22.2219, 94.4730



30.8331, 22.2219, 76.7929



37.4463, 22.2219, 45.9841

Triad

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



30.8331, 22.2219, 76.7929



27.7663, 22.2219, 2.5805



9.6476, 22.2219, 28.5082

Complementary

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



30.8331, 22.2219, 76.7929



52.9742, 68.5909, 24.6352

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.



10.4014, 22.2219, 10.6773



30.8331, 22.2219, 76.7929



19.7288, 22.2219, 1.8618

Square

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



30.8331, 22.2219, 76.7929



35.3985, 22.2219, 7.0835



13.6985, 22.2219, 3.6108



11.3151, 22.2219, 57.6977

Rectangle

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



30.8331, 22.2219, 76.7929



39.3305, 22.2219, 27.5680



13.6985, 22.2219, 3.6108



9.6321, 22.2219, 21.1106

Sweetspot

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



30.8340, 22.2227, 76.7934



73.5120, 71.5836, 104.5503



39.7794, 47.7492, 81.2491



15.2067, 14.6338, 22.2731



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.



30.8340, 22.2227, 76.7934



33.0381, 20.9349, 96.9073



44.0756, 29.0489, 77.4131



13.9725, 14.0881, 18.1272



9.4837, 3.9549, 42.6467



0.7905, 0.3385, 3.1556

Inverse Universe

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



47.4135, 31.2786, 54.5766



56.7242, 33.9079, 63.5709



40.5927, 62.2080, 24.0558



14.8081, 14.5404, 17.1896



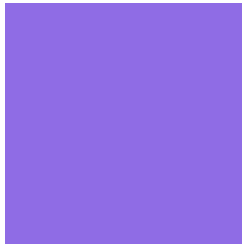
22.2970, 11.0530, 20.9907



1.6875, 0.8327, 1.7607

Previews

White Background



This preview shows how the XYZ color 30.8331, 22.2219, 76.7929 looks on a white background.

Color Contrast Check

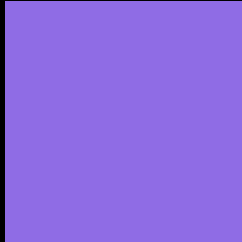
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8331, 22.2219, 76.7929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

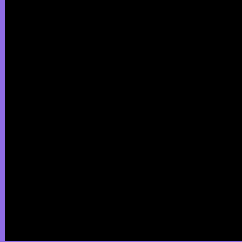
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8331, 22.2219, 76.7929

Background



This preview shows how black text looks on a background with the XYZ color 30.8331, 22.2219, 76.7929.

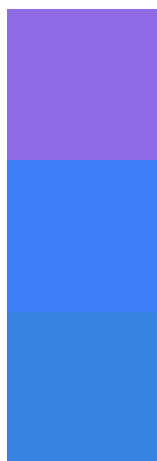


This preview shows how white text looks on a background with the XYZ color 30.8331, 22.2219,

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

30.8331, 22.2219, 76.7929

Protanopia

26.2360, 22.6612, 90.9870

Deuteranopia

23.2017, 22.4552, 73.6324



Tritanopia

20.9587, 22.0993, 28.3603

Trichromacy



Original Color

30.8331, 22.2219, 76.7929

Protanomaly

26.6394, 21.7091, 85.2243

Deuteranomaly

24.8349, 21.7316, 74.8372

Tritanomaly

23.7083, 21.6820, 42.4707

Monochromacy



Original Color

30.8331, 22.2219, 76.7929

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.2114, 22.1902, 39.5663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8331, 22.2219, 76.7929 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(143, 108, 229)` looks like.

```
.text, #text, p{  
    color:rgb(143, 108, 229)  
}
```

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(143, 108, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 108, 229) }
```

Border

The CSS property to change the border of an element to XYZ 30.8331, 22.2219, 76.7929 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(143, 108, 229) }
```


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

```
.border{ border-color:rgb(143, 108, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 108, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 108, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 108, 229);  
box-shadow:4px 4px 4px 4px rgb(143, 108,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8331, 22.2219, 76.7929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 108, 229) }
```

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

```
.background{ background-color: rgb(143,  
108, 229) }
```

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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