

Converting Colors

XYZ(22.1055, 12.8677, 73.9666)

Have a look what the booklet for
XYZ(22.1055, 12.8677, 73.9666)
contains.

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Color

**XYZ(22.1166, 12.8684,
73.9912)**

Conversions

Conversions Part 1

Format	Color
Hex	6C44E3
RGB	108, 68, 227
RGB Percent	42%, 27%, 89%
CMY	0.5764, 0.7333, 0.1098
CMYK	0.52, 0.70, 0.00, 0.11
HSL	255°, 74%, 58%
HSV	255°, 70%, 89%
XYZ	22.1166, 12.8684, 73.9912
YIQ	98.0860, -27.1990, 57.9290

Conversions

Conversions Part 2

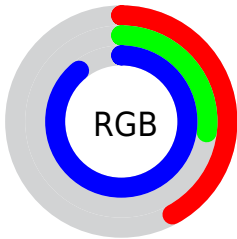
Format	Color
R_{YB}	108, 68, 227
Decimal	7095523
CIE _{Lab}	42.56, 55.10, -74.86
CIE _{LCh}	43, 92.955, 306.356
Yxy	12.8684, 0.2029, 0.1181
Android (android.graphics.Color)	4285285603 (0xFF6C44E3)
YUV	98.0860, 63.5546, 8.6946
Hunter-Lab	35.8726, 47.2741, -97.1816

Details

The XYZ color **22.1166, 12.8684, 73.9912** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **49.0045, 65.9197, 15.6097**, and the grayscale version is **11.4832, 12.0812, 13.1564**.

A 20% lighter version of the original color is **41.0090, 28.8487, 98.0147**, and **8.2403, 3.6849, 38.3072** is the 20% darker color. If you saturate the color by 10%, you get **19.1311, 9.6708, 73.5317**, and if you desaturate by 10%, it is **26.0372, 17.3365, 74.6473**.

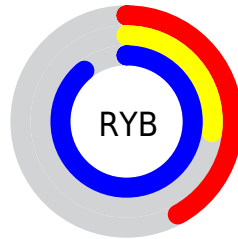
Distribution



Red (42%)

Green (27%)

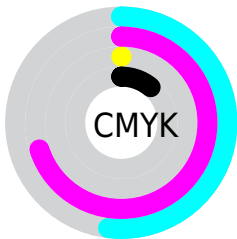
Blue (89%)



Red (42%)

Yellow (27%)

Blue (89%)

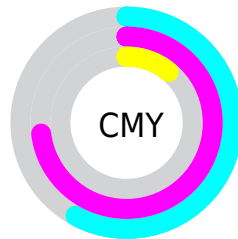


Cyan (52%)

Magenta (70%)

Yellow (0%)

Black (11%)



Cyan (58%)

Magenta (73%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1166, 12.8684, 73.9912 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 22.1166, 12.8684, 73.9912 by changing the saturation by 10% instead.

■ 22.1166, 12.8684,
73.9912

■ 22.1166, 12.8684,
73.9912

255.7755,
210.0725, 493.6056

■ 14.0597, 7.3380,
54.2901

■ 46.4161, 31.0672,
126.6173

■ 8.2442, 3.6744,
38.4389

■ 63.3893, 44.5043,
160.3793

■ 4.3047, 1.4931,
26.0190

■ 84.0654, 61.3458,
199.6654

■ 1.8759, 0.2839,
16.6120

■ 108.8096, 81.9760,
244.8941

■ 0.5628, 0.0000,
9.7992

■ 137.9874,
106.7795, 296.4839

■ 0.0000, 0.0000,
5.1622

171.9641,

■ 0.0000, 0.0000,

136.1404, 354.8534

2.2823

211.1050,
170.4433, 420.4211

■ 0.0000, 0.0000,
0.7213

■ 0.0000, 0.0000,
0.0000

■ 22.1166, 12.8684,
73.9912

■ 22.1166, 12.8684,
73.9912

■ 19.1311, 9.6708,
73.5317

■ 26.0372, 17.3365,
74.6473

■ 16.9900, 7.6001,
73.2448

■ 30.9673, 23.1949,
75.5183

■ 15.5592, 6.4194,
73.0924

■ 36.9757, 30.5504,
76.6213

■ 44.1242, 39.4988,
77.9718

■ 52.4699, 50.1279,
79.5835

■ 62.0657, 62.5190,
81.4695

■ 72.9617, 76.7480,
83.6417

■ 85.2046, 92.8863,
86.1114

■ 90.8652, 98.3261,
86.8631

Harmonies

Analogous

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



13.7887, 12.8684, 98.3894



22.1166, 12.8684, 73.9912



29.2534, 12.8684, 35.9658

Triad

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



22.1166, 12.8684, 73.9912



18.4896, 12.8684, 0.0000



3.1173, 12.8684, 18.7471

Complementary

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



22.1166, 12.8684, 73.9912



49.0045, 65.9197, 15.6097

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.



3.5593, 12.8684, 3.5168



22.1166, 12.8684, 73.9912



10.7953, 12.8684, 0.0000

Square

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



22.1166, 12.8684, 73.9912



26.6588, 12.8684, 1.3135



5.8424, 12.8684, 0.0000



4.2574, 12.8684, 51.7473

Rectangle

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



22.1166, 12.8684, 73.9912



31.2780, 12.8684, 16.6175



5.8424, 12.8684, 0.0000



3.0950, 12.8684, 11.6933

Sweetspot

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



22.1173, 12.8687, 73.9916



67.0437, 63.6390, 103.3577



34.0725, 42.4219, 79.0658



13.6800, 12.7647, 21.9928



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.



22.1173, 12.8687, 73.9916



23.5238, 11.2087, 95.5314



36.4870, 20.2766, 74.6640



13.9209, 14.0615, 18.1248



9.1646, 3.7904, 42.6318



0.7611, 0.3233, 3.1543

Inverse Universe

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



42.7147, 24.0527, 49.4015



52.5810, 27.0540, 57.7734



34.6665, 58.5282, 14.9387



14.8320, 14.5500, 17.3159



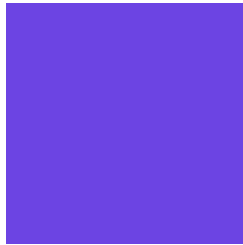
22.7494, 11.2340, 23.3729



1.7178, 0.8448, 1.9205

Previews

White Background



This preview shows how the XYZ color 22.1166, 12.8684, 73.9912 looks on a white background.

Color Contrast Check

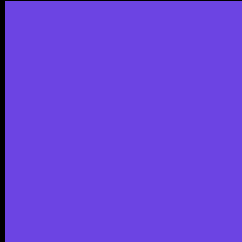
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.1166, 12.8684, 73.9912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

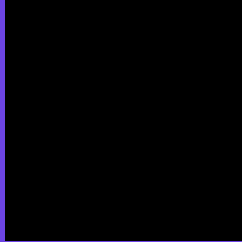
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1166, 12.8684, 73.9912

Background



This preview shows how black text looks on a background with the XYZ color 22.1166, 12.8684, 73.9912.



This preview shows how white text looks on a background with the XYZ color 22.1166, 12.8684,

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

22.1166, 12.8684, 73.9912

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

12.6867, 12.8351, 42.8831



Tritanopia

10.8638, 12.9007, 17.8371

Trichromacy



Original Color

22.1166, 12.8684, 73.9912

Protanomaly

16.0482, 11.8404, 63.7269

Deuteranomaly

14.3432, 11.6838, 53.1290

Tritanomaly

13.4899, 11.9521, 32.6063

Monochromacy



Original Color

22.1166, 12.8684, 73.9912

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.9985, 11.6855, 28.3058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1166, 12.8684, 73.9912 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, 68, 227)` looks like.

```
.text, #text, p{  
    color:rgb(108, 68, 227)  
}
```

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, 68, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 68, 227) }
```

Border

The CSS property to change the border of an element to XYZ 22.1166, 12.8684, 73.9912 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, 68, 227) }
```


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

```
.border{ border-color:rgb(108, 68, 227) }
```

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

Here you see how a box with a 4 pixel rgb(108, 68, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 68, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 68, 227);  
box-shadow:4px 4px 4px 4px rgb(108, 68,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1166, 12.8684, 73.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 68, 227) }
```

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

```
.background{ background-color: rgb(108, 68,  
227) }
```

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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