

Converting Colors

XYZ(22.3143, 12.5361, 91.7762)

Have a look what the booklet for
XYZ(22.3143, 12.5361, 91.7762)
contains.

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Color

**XYZ(22.3029, 12.5729,
91.6938)**

Conversions

Conversions Part 1

Format	Color
Hex	4C44FA
RGB	76, 68, 250
RGB Percent	30%, 27%, 98%
CMY	0.7019, 0.7333, 0.0196
CMYK	0.70, 0.73, 0.00, 0.02
HSL	243°, 95%, 62%
HSV	243°, 73%, 98%
XYZ	22.3029, 12.5729, 91.6938
YIQ	91.1400, -53.6540, 58.2980

Conversions

Conversions Part 2

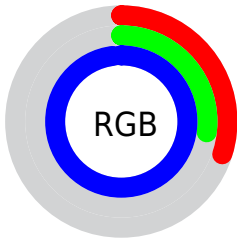
Format	Color
R _Y B	76, 68, 250
Decimal	4998394
CIE Lab	42.11, 57.91, -88.67
CIE LCh	42, 105.909, 303.149
Yxy	12.5729, 0.1762, 0.0993
Android (android.graphics.Color)	4283188474 (0xFF4C44FA)
YUV	91.1400, 78.3180, -13.2778
Hunter-Lab	35.4583, 50.2227, -128.5009

Details

The XYZ color **22.3029, 12.5729, 91.6938** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **71.8431, 87.6640, 18.6029**, and the grayscale version is **9.8130, 10.3240, 11.2429**.

A 20% lighter version of the original color is **36.5009, 26.5246, 97.8037**, and **9.7473, 4.2715, 50.1799** is the 20% darker color. If you saturate the color by 10%, you get **19.5411, 9.3628, 91.2201**, and if you desaturate by 10%, it is **26.4152, 17.4348, 92.4159**.

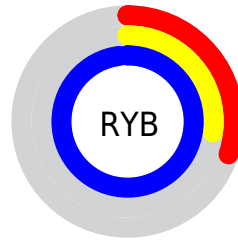
Distribution



Red (30%)

Green (27%)

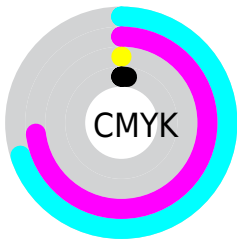
Blue (98%)



Red (30%)

Yellow (27%)

Blue (98%)

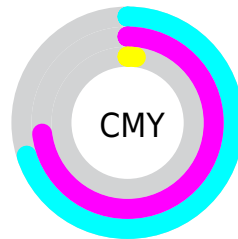


Cyan (70%)

Magenta (73%)

Yellow (0%)

Black (2%)



Cyan (70%)

Magenta (73%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3029, 12.5729, 91.6938 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 22.3029, 12.5729, 91.6938 by changing the saturation by 10% instead.

■ 22.3029, 12.5729,
91.6938

■ 22.3029, 12.5729,
91.6938

256.7268,
208.1620, 554.2371

■ 14.1975, 7.1351,
68.8047

■ 46.7213, 30.5343,
151.6449

■ 8.3408, 3.5467,
50.0819

■ 63.7649, 43.8267,
189.5441

■ 4.3674, 1.4234,
35.1069

■ 84.5187, 60.5061,
233.2837

■ 1.9120, 0.2339,
23.4610

■ 109.3479, 80.9570,
283.2822

■ 0.5838, 0.0000,
14.7258

■ 138.6180,
105.5636, 339.9583

■ 0.0000, 0.0000,
8.4827

172.6943,

■ 0.0000, 0.0000,

134.7103, 403.7305

4.3132

211.9421,
168.7817, 475.0172

■ 0.0000, 0.0000,
1.7987

■ 0.0000, 0.0000,
0.4271

■ 22.3029, 12.5729,
91.6938

■ 22.3029, 12.5729,
91.6938

■ 19.5411, 9.3628,
91.2201

■ 26.4152, 17.4348,
92.4159

■ 17.9564, 7.5846,
90.9604

■ 32.0183, 24.1295,
93.4128

■ 17.3935, 6.9733,
90.8721

■ 39.2378, 32.8154,
94.7088

■ 48.1852, 43.6333,
96.3253

■ 58.9622, 56.7113,
98.2816

■ 71.6626, 72.1676,
100.5956

■ 86.3737, 90.1119,
103.2838

■ 94.2554, 99.6822,
104.7157

Harmonies

Analogous

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



12.8022, 12.5729, 118.8816



22.3029, 12.5729, 91.6938



31.2171, 12.5729, 44.1497

Triad

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



22.3029, 12.5729, 91.6938



20.1876, 12.5729, 0.0000



2.3054, 12.5729, 16.2153

Complementary

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



22.3029, 12.5729, 91.6938



71.8431, 87.6640, 18.6029

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.



2.8864, 12.5729, 1.9534



22.3029, 12.5729, 91.6938



11.1368, 12.5729, 0.0000

Square

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



22.3029, 12.5729, 91.6938



29.6644, 12.5729, 1.0288



5.4301, 12.5729, 0.0000



3.2215, 12.5729, 53.7923

Rectangle

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



22.3029, 12.5729, 91.6938



34.2021, 12.5729, 19.5491



5.4301, 12.5729, 0.0000



2.3341, 12.5729, 9.1365

Sweetspot

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



22.3037, 12.5731, 91.6942



62.6373, 60.4896, 102.9821



51.9699, 72.7925, 101.7541



12.7012, 12.0896, 21.9141



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.



22.3037, 12.5731, 91.6942



19.5908, 8.8278, 95.2791



34.8532, 19.0426, 92.2815



16.3537, 16.6794, 21.7428



9.2567, 3.7147, 48.2027



0.8814, 0.3565, 4.4655

Inverse Universe

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



57.5168, 30.8682, 86.9220



58.3052, 28.9629, 89.0908



48.3533, 75.5546, 17.5036



17.9581, 17.5106, 21.6351



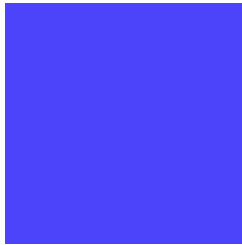
29.1902, 14.0918, 44.5718



2.7135, 1.3091, 4.1805

Previews

White Background



This preview shows how the XYZ color 22.3029, 12.5729, 91.6938 looks on a white background.

Color Contrast Check

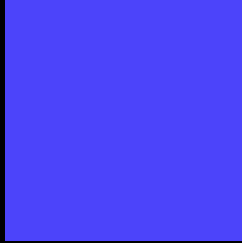
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3029, 12.5729, 91.6938 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 22.3029, 12.5729, 91.6938

Background



This preview shows how black text looks on a background with the XYZ color 22.3029, 12.5729, 91.6938.



This preview shows how white text looks on a background with the XYZ color 22.3029, 12.5729,

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

22.3029, 12.5729, 91.6938

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

8.6795, 12.2216, 18.7312

Trichromacy



Original Color

22.3029, 12.5729, 91.6938

Protanomaly

16.3823, 11.8058, 67.7450

Deuteranomaly

14.4766, 11.5618, 56.1122

Tritanomaly

11.2731, 10.9689, 37.1204

Monochromacy



Original Color

22.3029, 12.5729, 91.6938

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.3558, 10.3349, 29.7774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3029, 12.5729, 91.6938 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(76, 68, 250)` looks like.

```
.text, #text, p{  
    color:rgb(76, 68, 250)  
}
```

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(76, 68, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 68, 250) }
```

Border

The CSS property to change the border of an element to XYZ 22.3029, 12.5729, 91.6938 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(76, 68, 250) }
```


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

```
.border{ border-color:rgb(76, 68, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 68, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 68, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 68, 250);  
box-shadow:4px 4px 4px 4px rgb(76, 68,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3029, 12.5729, 91.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 68, 250) }
```

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

```
.background{ background-color: rgb(76, 68,  
250) }
```

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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