

Converting Colors

XYZ(24.1927, 12.6343, 88.3454)

Have a look what the booklet for
XYZ(24.1927, 12.6343, 88.3454)
contains.

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Color

**XYZ(24.2331, 12.6703,
88.3572)**

Conversions

Conversions Part 1

Format	Color
Hex	6C38F6
RGB	108, 56, 246
RGB Percent	42%, 22%, 96%
CMY	0.5764, 0.7804, 0.0353
CMYK	0.56, 0.77, 0.00, 0.04
HSL	256°, 91%, 59%
HSV	256°, 77%, 96%
XYZ	24.2331, 12.6703, 88.3572
YIQ	93.2080, -29.9980, 70.1140

Conversions

Conversions Part 2

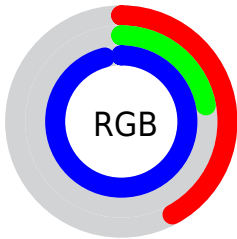
Format	Color
R _Y B	108, 56, 246
Decimal	7092470
CIE Lab	42.26, 65.92, -86.10
CIE LCh	42, 108.434, 307.439
Yxy	12.6703, 0.1935, 0.1012
Android (android.graphics.Color)	4285282550 (0xFF6C38F6)
YUV	93.2080, 75.3265, 12.9726
Hunter-Lab	35.5954, 59.2298, -122.2569

Details

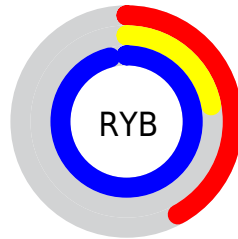
The XYZ color **24.2331, 12.6703, 88.3572** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **55.9155, 77.6655, 15.7850**, and the grayscale version is **10.2883, 10.8241, 11.7874**.

A 20% lighter version of the original color is **40.5319, 26.9279, 97.6691**, and **9.4538, 3.8250, 47.8170** is the 20% darker color. If you saturate the color by 10%, you get **21.3652, 9.8355, 87.9615**, and if you desaturate by 10%, it is **28.1328, 16.9051, 88.9694**.

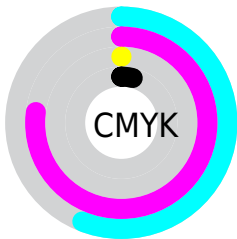
Distribution



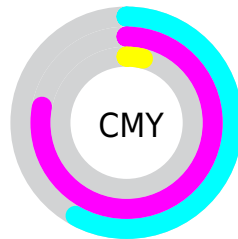
- Red (42%)
- Green (22%)
- Blue (96%)



- Red (42%)
- Yellow (22%)
- Blue (96%)



- Cyan (56%)
- Magenta (77%)
- Yellow (0%)
- Black (4%)



- Cyan (58%)
- Magenta (78%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2331, 12.6703, 88.3572 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 24.2331, 12.6703, 88.3572 by changing the saturation by 10% instead.

■ 24.2331, 12.6703,
88.3572

■ 24.2331, 12.6703,
88.3572

266.4155,
208.7937, 543.1039

■ 15.6323, 7.2019,
66.0529

■ 49.8622, 30.7102,
146.9699

■ 9.3535, 3.5887,
47.8586

■ 67.6213, 44.0505,
184.1153

■ 5.0314, 1.4463,
33.3557

■ 89.1638, 60.7835,
227.0449

■ 2.3007, 0.2504,
22.1258

■ 114.8551, 81.2937,
276.1772

■ 0.7950, 0.0000,
13.7501

■ 145.0605,
105.9654, 331.9307

■ 0.0000, 0.0000,
7.8103

■ 180.1455,

■ 0.0000, 0.0000,

135.1830, 394.7239

3.8878

220.4754,
169.3310, 464.9755

■ 0.0000, 0.0000,
1.5640

■ 0.0000, 0.0000,
0.2649

■ 24.2331, 12.6703,
88.3572

■ 24.2331, 12.6703,
88.3572

■ 21.3652, 9.8355,
87.9615

■ 28.1328, 16.9051,
88.9694

■ 19.4014, 8.1897,
87.7474

■ 33.1626, 22.7032,
89.8235

■ 18.9726, 7.8591,
87.7062

■ 39.4108, 30.2056,
90.9423

■ 46.9558, 39.5367,
92.3457

■ 55.8691, 50.8093,
94.0517

■ 66.2166, 64.1269,
96.0769

■ 78.0601, 79.5853,
98.4365

■ 91.4573, 97.2747,
101.1447

■ 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.



14.1775, 12.6703, 122.4307



24.2331, 12.6703, 88.3572



32.9561, 12.6703, 39.0147

Triad

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



24.2331, 12.6703, 88.3572



19.0739, 12.6703, 0.0000



2.2520, 12.6703, 20.4264

Complementary

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



24.2331, 12.6703, 88.3572



55.9155, 77.6655, 15.7850

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.



2.6177, 12.6703, 2.7741



24.2331, 12.6703, 88.3572



10.1338, 12.6703, 0.0000

Square

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



24.2331, 12.6703, 88.3572



29.1603, 12.6703, 0.4857



4.8309, 12.6703, 0.0000



3.4178, 12.6703, 62.6765

Rectangle

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



24.2331, 12.6703, 88.3572



35.3154, 12.6703, 15.8896



4.8309, 12.6703, 0.0000



2.2144, 12.6703, 11.8946

Sweetspot

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



24.2339, 12.6706, 88.3576



65.1370, 60.9151, 102.9324



37.8552, 46.6742, 94.2030



13.1044, 11.9649, 21.8687



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.



24.2339, 12.6706, 88.3576



21.8105, 9.4761, 95.2873



42.3157, 21.9921, 89.2038



16.0068, 16.1462, 20.8154



10.2419, 4.2542, 46.8194



0.9950, 0.4228, 4.1194

Inverse Universe

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



49.1569, 26.3157, 53.5223



50.7574, 25.4092, 50.9932



38.9620, 68.9256, 14.9916



17.0088, 16.6864, 19.7927



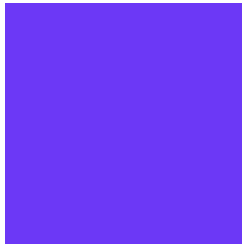
24.6731, 12.2127, 24.0507



2.2116, 1.0906, 2.3408

Previews

White Background



This preview shows how the XYZ color 24.2331, 12.6703, 88.3572 looks on a white background.

Color Contrast Check

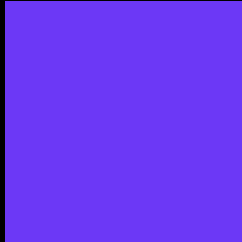
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2331, 12.6703, 88.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

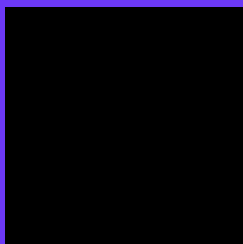
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2331, 12.6703, 88.3572

Background



This preview shows how black text looks on a background with the XYZ color 24.2331, 12.6703, 88.3572.



This preview shows how white text looks on a background with the XYZ color 24.2331, 12.6703,

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

24.2331, 12.6703, 88.3572

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

10.1120, 12.5065, 18.1007

Trichromacy



Original Color

24.2331, 12.6703, 88.3572

Protanomaly

16.4340, 11.3781, 67.6597

Deuteranomaly

14.5105, 11.0985, 56.0210

Tritanomaly

13.1612, 11.2016, 36.1188

Monochromacy



Original Color

24.2331, 12.6703, 88.3572

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.3305, 10.5039, 29.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2331, 12.6703, 88.3572 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, 56, 246)` looks like.

```
.text, #text, p{  
    color:rgb(108, 56, 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, 56, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 56, 246) }
```

Border

The CSS property to change the border of an element to XYZ 24.2331, 12.6703, 88.3572 is called "border". The border property can be set on classes, ids or directly on the HTML element.

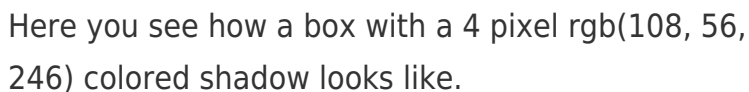
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 56, 246) }
```


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

```
.border{ border-color:rgb(108, 56, 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, 56, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 56, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 56, 246); box-shadow:4px 4px 4px 4px rgb(108, 56, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2331, 12.6703, 88.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 56, 246) }
```

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

```
.background{ background-color: rgb(108, 56,  
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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