

Converting Colors

XYZ(12.2140, 8.9216, 28.2758)

Have a look what the booklet for
XYZ(12.2140, 8.9216, 28.2758)
contains.

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Color

**XYZ(12.2023, 8.9424,
28.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	604692
RGB	96, 70, 146
RGB Percent	38%, 27%, 57%
CMY	0.6235, 0.7255, 0.4274
CMYK	0.34, 0.52, 0.00, 0.43
HSL	261°, 35%, 42%
HSV	261°, 52%, 57%
XYZ	12.2023, 8.9424, 28.2771
YIQ	86.4380, -8.9000, 29.1480

Conversions

Conversions Part 2

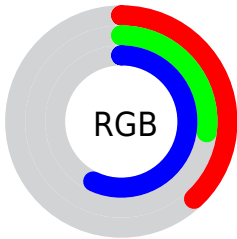
Format	Color
R_{YB}	96, 70, 146
Decimal	6309522
CIE _{Lab}	35.87, 28.64, -38.16
CIE _{LCh}	36, 47.718, 306.889
Yxy	8.9424, 0.2469, 0.1809
Android (android.graphics.Color)	4284499602 (0xFF604692)
YUV	86.4380, 29.3641, 8.3859
Hunter-Lab	29.9038, 20.5054, -35.1320

Details

The XYZ color **12.2023, 8.9424, 28.2771** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.1302, 24.9932, 9.6105**, and the grayscale version is **8.8796, 9.3420, 10.1734**.

A 20% lighter version of the original color is **29.4166, 23.7533, 57.6780**, and **3.4954, 2.0794, 11.0436** is the 20% darker color. If you saturate the color by 10%, you get **10.4481, 6.8433, 27.9646**, and if you desaturate by 10%, it is **14.3028, 11.5499, 28.6699**.

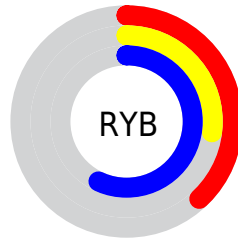
Distribution



Red (38%)

Green (27%)

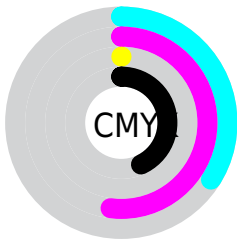
Blue (57%)



Red (38%)

Yellow (27%)

Blue (57%)

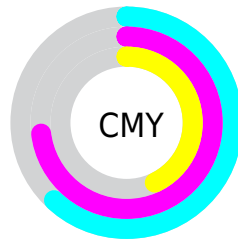


Cyan (34%)

Magenta (52%)

Yellow (0%)

Black (43%)



Cyan (62%)

Magenta (73%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2023, 8.9424, 28.2771 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 12.2023, 8.9424, 28.2771 by changing the saturation by 10% instead.

■ 12.2023, 8.9424,
28.2771

■ 12.2023, 8.9424,
28.2771

199.4827,
182.9476, 307.7421

■ 6.9548, 4.7036,
18.2938

■ 29.4767, 23.7863,
57.9550

■ 3.4799, 2.0744,
10.9895

■ 42.2343, 35.1601,
78.4866

■ 1.4123, 0.6502,
5.9457

■ 58.2259, 49.6812,
103.3714

■ 0.2650, 0.0000,
2.7438

■ 77.8170, 67.7338,
133.0279

■ 0.0000, 0.0000,
0.9654

■ 101.3729, 89.7023,
167.8747

■ 0.0000, 0.0000,
0.0000

129.2589,

115.9712, 208.3303

161.8404,
146.9248, 254.8133

■ 12.2023, 8.9424,
28.2771

■ 12.2023, 8.9424,
28.2771

■ 10.4481, 6.8433,
27.9646

■ 14.3028, 11.5499,
28.6699

■ 9.0182, 5.2166,
27.7259

■ 16.7675, 14.6965,
29.1473

■ 7.8898, 4.0230,
27.5550

■ 19.6141, 18.4115,
29.7143

■ 7.0357, 3.2158,
27.4442

■ 22.8590, 22.7218,
30.3753

■ 6.5012, 2.7522,
27.3829

■ 26.5175, 27.6525,
31.1342

■ 30.6040, 33.2274,
31.9949

■ 35.1323, 39.4689,
32.9609

■ 40.1155, 46.3983,
34.0358

■ 45.5662, 54.0360,
35.2227

Harmonies

Analogous

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



9.1690, 8.9424, 34.8515



12.2023, 8.9424, 28.2771



14.5512, 8.9424, 17.2246

Triad

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



12.2023, 8.9424, 28.2771



10.8194, 8.9424, 1.2861



4.1608, 8.9424, 11.7282

Complementary

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



12.2023, 8.9424, 28.2771



19.1302, 24.9932, 9.6105

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.



4.4126, 8.9424, 4.8111



12.2023, 8.9424, 28.2771



7.8633, 8.9424, 1.0129

Square

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



12.2023, 8.9424, 28.2771



13.6370, 8.9424, 3.0580



5.6336, 8.9424, 1.8344



4.8478, 8.9424, 22.4077

Rectangle

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



12.2023, 8.9424, 28.2771



15.1734, 8.9424, 10.6073



5.6336, 8.9424, 1.8344



4.1414, 8.9424, 8.9152

Sweetspot

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



12.2027, 8.9427, 28.2773



37.7937, 36.7055, 53.0665



14.5113, 16.9715, 29.7054



8.1781, 7.8608, 11.7585



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2027, 8.9427, 28.2773



18.0991, 11.6851, 49.2751



17.1043, 11.4696, 28.5067



5.6754, 5.7237, 7.2754



5.7431, 2.4332, 24.0980



0.0996, 0.0449, 0.2963

Inverse Universe

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



17.4346, 11.8476, 19.1372



28.6092, 17.5368, 30.1748



14.9225, 22.8241, 9.4136



5.9519, 5.8758, 6.8526



12.3024, 6.1260, 10.3392



0.1644, 0.0805, 0.1996

Previews

White Background



This preview shows how the XYZ color 12.2023, 8.9424, 28.2771 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 ✓ Pass

Black Background



This preview shows how the XYZ color 12.2023, 8.9424, 28.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.2023, 8.9424, 28.2771

Background



This preview shows how black text looks on a background with the XYZ color 12.2023, 8.9424, 28.2771.



This preview shows how white text looks on a background with the XYZ color 12.2023, 8.9424,

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

12.2023, 8.9424, 28.2771

Protanopia

10.2276, 9.0387, 33.5533

Deuteranopia

9.2451, 9.0156, 27.2395



Tritanopia

8.7621, 9.0101, 10.9502

Trichromacy



Original Color

12.2023, 8.9424, 28.2771

Protanomaly

10.6070, 8.8386, 31.7188

Deuteranomaly

9.9526, 8.8077, 27.5611

Tritanomaly

9.7303, 8.8416, 15.9456

Monochromacy



Original Color

12.2023, 8.9424, 28.2771

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.7919, 8.9937, 15.4072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2023, 8.9424, 28.2771 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(96, 70, 146)` looks like.

```
.text, #text, p{  
    color:rgb(96, 70, 146)  
}
```

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(96, 70, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 70, 146) }
```

Border

The CSS property to change the border of an element to XYZ 12.2023, 8.9424, 28.2771 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(96, 70, 146) }
```


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

```
.border{ border-color:rgb(96, 70, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 70, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 70, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 70, 146);  
box-shadow:4px 4px 4px 4px rgb(96, 70,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2023, 8.9424, 28.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 70, 146) }
```

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

```
.background{ background-color: rgb(96, 70,  
146) }
```

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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