

Converting Colors

XYZ(16.3132, 12.0610, 24.1330)

Have a look what the booklet for
XYZ(16.3132, 12.0610, 24.1330)
contains.

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Color

**XYZ(16.3050, 12.0590,
24.0225)**

Conversions

Conversions Part 1

Format	Color
Hex	824F86
RGB	130, 79, 134
RGB Percent	51%, 31%, 53%
CMY	0.4902, 0.6902, 0.4745
CMYK	0.03, 0.41, 0.00, 0.47
HSL	296°, 26%, 42%
HSV	296°, 41%, 53%
XYZ	16.3050, 12.0590, 24.0225
YIQ	100.5190, 12.7410, 27.9170

Conversions

Conversions Part 2

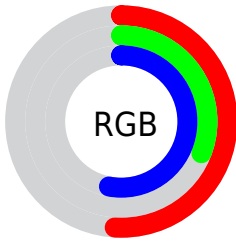
Format	Color
R _Y B	130, 79, 134
Decimal	8540038
CIE Lab	41.31, 30.80, -22.04
CIE LCh	41, 37.870, 324.408
Yxy	12.0590, 0.3112, 0.2302
Android (android.graphics.Color)	4286730118 (0xFF824F86)
YUV	100.5190, 16.5061, 25.8548
Hunter-Lab	34.7261, 23.0408, -16.7069

Details

The XYZ color **16.3050, 12.0590, 24.0225** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.5040, 19.4540, 10.4409**, and the grayscale version is **12.2029, 12.8384, 13.9810**.

A 20% lighter version of the original color is **36.5871, 29.4787, 50.7753**, and **5.3412, 3.3354, 8.7498** is the 20% darker color. If you saturate the color by 10%, you get **15.2855, 10.2406, 23.7254**, and if you desaturate by 10%, it is **17.5215, 14.2689, 24.3851**.

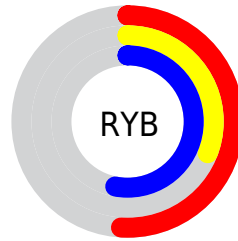
Distribution



Red (51%)

Green (31%)

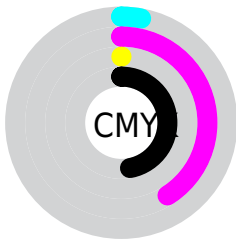
Blue (53%)



Red (51%)

Yellow (31%)

Blue (53%)

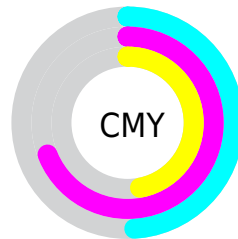


Cyan (3%)

Magenta (41%)

Yellow (0%)

Black (47%)



Cyan (49%)

Magenta (69%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3050, 12.0590, 24.0225 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 16.3050, 12.0590, 24.0225 by changing the saturation by 10% instead.

■ 16.3050, 12.0590,
24.0225

■ 16.3050, 12.0590,
24.0225

224.3700,
204.7955, 286.2244

■ 9.8325, 6.7839,
15.1380

■ 36.6801, 29.6025,
51.0112

■ 5.3494, 3.3273,
8.7686

■ 51.3133, 42.6397,
69.9525

■ 2.4906, 1.3049,
4.4958

■ 69.3975, 59.0330,
93.0830

■ 0.8905, 0.1450,
1.9011

■ 91.2980, 79.1669,
120.8214

■ 0.0000, 0.0000,
0.4934

■ 117.3801,
103.4256, 153.5862

■ 0.0000, 0.0000,
0.0000

148.0092,

132.1937, 191.7960

183.5508,
165.8556, 235.8692

■ 16.3050, 12.0590,
24.0225

■ 16.3050, 12.0590,
24.0225

■ 15.2855, 10.2406,
23.7254

■ 17.5215, 14.2689,
24.3851

■ 14.4501, 8.7886,
23.4892

■ 18.9448, 16.8902,
24.8161

■ 13.7862, 7.6774,
23.3097

■ 20.5850, 19.9436,
25.3190

■ 13.2789, 6.8773,
23.1820

■ 22.4518, 23.4478,
25.8970

■ 12.9110, 6.3540,
23.1004

■ 24.5537, 27.4203,
26.5530

■ 12.6524, 6.0255,
23.0506

■ 26.8993, 31.8778,
27.2897

■ 29.4963, 36.8362,
28.1099

■ 32.3524, 42.3106,
29.0160

■ 35.4748, 48.3155,
30.0105

Harmonies

Analogous

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



13.7810, 12.0590, 32.2343



16.3050, 12.0590, 24.0225



17.5493, 12.0590, 14.6569

Triad

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



16.3050, 12.0590, 24.0225



11.9831, 12.0590, 3.1075



7.3004, 12.0590, 20.4091

Complementary

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



16.3050, 12.0590, 24.0225



13.5040, 19.4540, 10.4409

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.



6.9751, 12.0590, 11.7134



16.3050, 12.0590, 24.0225



9.4185, 12.0590, 3.6224

Square

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



16.3050, 12.0590, 24.0225



14.8116, 12.0590, 4.2822



7.6872, 12.0590, 6.1578



8.6593, 12.0590, 29.6306

Rectangle

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



16.3050, 12.0590, 24.0225



17.3630, 12.0590, 9.7205



7.6872, 12.0590, 6.1578



7.0766, 12.0590, 17.2564

Sweetspot

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



16.3054, 12.0595, 24.0228



35.8946, 34.4396, 44.4941



10.6661, 9.6602, 23.8569



8.0155, 7.6259, 10.0022



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.3054, 12.0595, 24.0228



27.0903, 18.3232, 41.8473



15.5017, 11.8103, 16.5260



4.8254, 4.7461, 5.8625



11.8609, 5.6487, 21.6019



0.0436, 0.0208, 0.0750

Inverse Universe

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



14.1892, 11.2853, 9.6144



22.8956, 16.8000, 12.7703



14.1441, 19.6704, 15.6005



4.6853, 4.6938, 4.9551



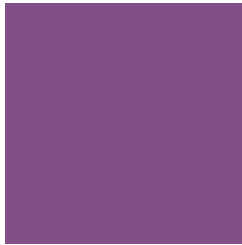
9.2654, 4.7705, 0.7040



0.0329, 0.0169, 0.0068

Previews

White Background



This preview shows how the XYZ color 16.3050, 12.0590, 24.0225 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 16.3050, 12.0590, 24.0225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

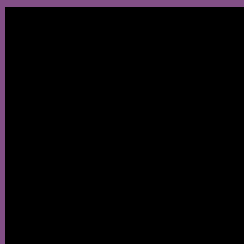
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3050, 12.0590, 24.0225

Background



This preview shows how black text looks on a background with the XYZ color 16.3050, 12.0590, 24.0225.



This preview shows how white text looks on a background with the XYZ color 16.3050, 12.0590,

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

16.3050, 12.0590, 24.0225

Protanopia

12.8364, 12.2093, 29.6971

Deuteranopia

12.3994, 12.1283, 23.1602



Tritanopia

13.9676, 12.1476, 12.1982

Trichromacy



Original Color

16.3050, 12.0590, 24.0225

Protanomaly

13.6511, 11.8922, 27.5625

Deuteranomaly

13.5299, 11.9213, 23.4177

Tritanomaly

14.7612, 12.1132, 16.0281

Monochromacy



Original Color

16.3050, 12.0590, 24.0225

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.5771, 12.4657, 17.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3050, 12.0590, 24.0225 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(130, 79, 134)` looks like.

```
.text, #text, p{  
  color:rgb(130, 79, 134)  
}
```

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(130, 79, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 79, 134) }
```

Border

The CSS property to change the border of an element to XYZ 16.3050, 12.0590, 24.0225 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(130, 79, 134) }
```


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

```
.border{ border-color:rgb(130, 79, 134) }
```

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

Here you see how a box with a 4 pixel rgb(130, 79, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 79, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 79, 134);  
box-shadow:4px 4px 4px 4px rgb(130, 79,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3050, 12.0590, 24.0225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 79, 134) }
```

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

```
.background{ background-color: rgb(130, 79,  
134) }
```

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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