

Converting Colors

XYZ(16.5519, 12.1959, 23.4003)

Have a look what the booklet for
XYZ(16.5519, 12.1959, 23.4003)
contains.

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Color

**XYZ(16.4766, 12.1634,
23.3092)**

Conversions

Conversions Part 1

Format	Color
Hex	844F84
RGB	132, 79, 132
RGB Percent	52%, 31%, 52%
CMY	0.4823, 0.6902, 0.4824
CMYK	0.00, 0.40, 0.00, 0.48
HSL	300°, 25%, 41%
HSV	300°, 40%, 52%
XYZ	16.4766, 12.1634, 23.3092
YIQ	100.8890, 14.5750, 27.7190

Conversions

Conversions Part 2

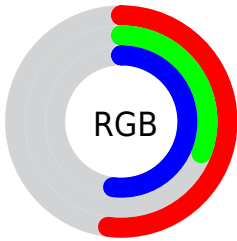
Format	Color
R_{YB}	132, 79, 132
Decimal	8671108
CIE _{Lab}	41.47, 31.06, -20.55
CIE _{LCh}	41, 37.239, 326.509
Yxy	12.1634, 0.3172, 0.2341
Android (android.graphics.Color)	4286861188 (0xFF844F84)
YUV	100.8890, 15.3377, 27.2843
Hunter-Lab	34.8761, 23.2962, -15.2129

Details

The XYZ color **16.4766, 12.1634, 23.3092** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.8875, 18.7298, 10.3337**, and the grayscale version is **12.3004, 12.9410, 14.0927**.

A 20% lighter version of the original color is **36.8569, 29.6424, 49.6779**, and **5.4328, 3.3916, 8.3509** is the 20% darker color. If you saturate the color by 10%, you get **15.6175, 10.4450, 23.0229**, and if you desaturate by 10%, it is **17.5256, 14.2611, 23.6590**.

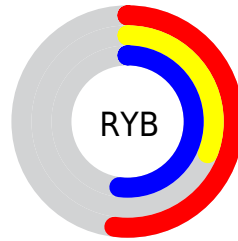
Distribution



Red (52%)

Green (31%)

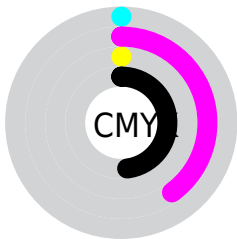
Blue (52%)



Red (52%)

Yellow (31%)

Blue (52%)

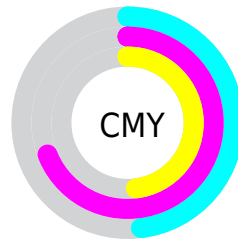


Cyan (0%)

Magenta (40%)

Yellow (0%)

Black (48%)



Cyan (48%)

Magenta (69%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4766, 12.1634, 23.3092 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 16.4766, 12.1634, 23.3092 by changing the saturation by 10% instead.

16.4766, 12.1634,
23.3092

16.4766, 12.1634,
23.3092

225.3534,
205.4841, 282.4824

9.9550, 6.8551,
14.6145

36.9745, 29.7924,
49.8302

5.4312, 3.3716,
8.4057

51.6814, 42.8818,
68.4935

2.5397, 1.3287,
4.2642

69.8476, 59.3336,
91.3169

0.9153, 0.1633,
1.7713

91.8383, 79.5324,
118.7188

0.0000, 0.0000,
0.4090

118.0188,
103.8624, 151.1177

0.0000, 0.0000,
0.0000

148.7546,

132.7081, 188.9323

184.4110,
166.4539, 232.5810

■ 16.4766, 12.1634,
23.3092

■ 16.4766, 12.1634,
23.3092

■ 15.6175, 10.4450,
23.0229

■ 17.5256, 14.2611,
23.6590

■ 14.9359, 9.0817,
22.7956

■ 18.7736, 16.7570,
24.0751

■ 14.4196, 8.0492,
22.6235

■ 20.2305, 19.6710,
24.5608

■ 14.0547, 7.3194,
22.5018

■ 21.9055, 23.0208,
25.1192

■ 13.8247, 6.8595,
22.4250

■ 23.8068, 26.8234,
25.7530

■ 13.6808, 6.5716,
22.3770

■ 25.9425, 31.0948,
26.4650

■ 28.3202, 35.8501,
27.2576

■ 30.9471, 41.1040,
28.1333

■ 33.8302, 46.8702,
29.0944

Harmonies

Analogous

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



14.0475, 12.1634, 31.6015



16.4766, 12.1634, 23.3092



17.5845, 12.1634, 14.1739

Triad

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



16.4766, 12.1634, 23.3092



11.8813, 12.1634, 3.2319



7.4951, 12.1634, 21.0884

Complementary

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



16.4766, 12.1634, 23.3092



12.8875, 18.7298, 10.3337

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.



7.0989, 12.1634, 12.3554



16.4766, 12.1634, 23.3092



9.3866, 12.1634, 3.8723

Square

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



16.4766, 12.1634, 23.3092



14.6829, 12.1634, 4.2867



7.7354, 12.1634, 6.5954



8.9162, 12.1634, 30.0058

Rectangle

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



16.4766, 12.1634, 23.3092



17.3144, 12.1634, 9.4380



7.7354, 12.1634, 6.5954



7.2483, 12.1634, 17.9560

Sweetspot

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



16.4770, 12.1639, 23.3095



35.0603, 33.4996, 43.0712



10.1858, 8.9207, 23.0153



8.0971, 7.6680, 10.0060



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.



16.4770, 12.1639, 23.3095



27.6575, 18.6941, 40.6032



14.8878, 11.5283, 14.9408



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6660



0.0459, 0.0220, 0.0751

Inverse Universe

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



16.4770, 12.1639, 23.3095



27.6575, 18.6941, 40.6032



14.0518, 19.1955, 16.4648



4.8579, 4.7628, 5.8640



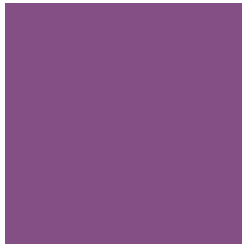
13.2461, 6.3628, 21.6660



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 16.4766, 12.1634, 23.3092 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 16.4766, 12.1634, 23.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

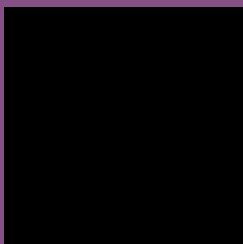
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4766, 12.1634, 23.3092

Background



This preview shows how black text looks on a background with the XYZ color 16.4766, 12.1634, 23.3092.



This preview shows how white text looks on a background with the XYZ color 16.4766, 12.1634,

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

16.4766, 12.1634, 23.3092

Protanopia

12.9427, 12.4185, 28.9090

Deuteranopia

12.5515, 12.3585, 22.4928



Tritanopia

14.1810, 12.1366, 12.1848

Trichromacy



Original Color

16.4766, 12.1634, 23.3092

Protanomaly

13.7194, 11.9447, 26.7818

Deuteranomaly

13.6293, 11.9882, 22.7147

Tritanomaly

14.9304, 12.0905, 15.7341

Monochromacy



Original Color

16.4766, 12.1634, 23.3092

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.5211, 12.4433, 17.0184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4766, 12.1634, 23.3092 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(132, 79, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 79, 132)  
}
```

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(132, 79, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 79, 132) }
```

Border

The CSS property to change the border of an element to XYZ 16.4766, 12.1634, 23.3092 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(132, 79, 132) }
```


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

```
.border{ border-color:rgb(132, 79, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 79, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 79, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 79, 132);  
box-shadow:4px 4px 4px 4px rgb(132, 79,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4766, 12.1634, 23.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 79, 132) }
```

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

```
.background{ background-color: rgb(132, 79,  
132) }
```

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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