

Converting Colors

XYZ(16.8312, 12.3381, 17.9320)

Have a look what the booklet for
XYZ(16.8312, 12.3381, 17.9320)
contains.

XYZ(16.8613, 12.3725, 18.0224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8613, 12.3725,
18.0224)**

Conversions

Conversions Part 1

Format	Color
Hex	8D4E74
RGB	141, 78, 116
RGB Percent	55%, 31%, 45%
CMY	0.4471, 0.6941, 0.5451
CMYK	0.00, 0.45, 0.18, 0.45
HSL	324°, 29%, 43%
HSV	324°, 45%, 55%
XYZ	16.8613, 12.3725, 18.0224
YIQ	101.1690, 25.3500, 25.1740

Conversions

Conversions Part 2

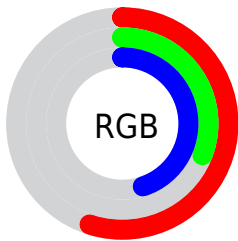
Format	Color
RYB	141, 78, 116
Decimal	9260660
CIELab	41.80, 31.80, -10.15
CIELCh	42, 33.379, 342.292
Yxy	12.3725, 0.3568, 0.2618
Android (android.graphics.Color)	4287450740 (0xFF8D4E74)
YUV	101.1690, 7.3117, 34.9318
Hunter-Lab	35.1746, 24.0104, -5.7562

Details

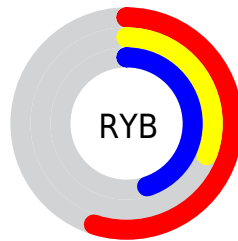
The XYZ color **16.8613, 12.3725, 18.0224** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.1156, 21.6491, 16.2151**, and the grayscale version is **12.3908, 13.0361, 14.1963**.

A 20% lighter version of the original color is **37.6831, 30.2634, 40.9011**, and **5.6275, 3.4697, 5.8420** is the 20% darker color. If you saturate the color by 10%, you get **15.6491, 10.4534, 16.0606**, and if you desaturate by 10%, it is **18.3086, 14.7303, 20.1596**.

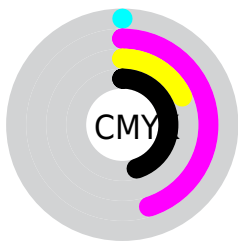
Distribution



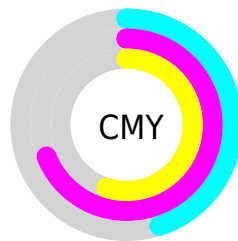
- Red (55%)
- Green (31%)
- Blue (45%)



- Red (55%)
- Yellow (31%)
- Blue (45%)



- Cyan (0%)
- Magenta (45%)
- Yellow (18%)
- Black (45%)



- Cyan (45%)
- Magenta (69%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8613, 12.3725, 18.0224 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 16.8613, 12.3725, 18.0224 by changing the saturation by 10% instead.

■ 16.8613, 12.3725,
18.0224

■ 16.8613, 12.3725,
18.0224

227.5437,
206.8560, 253.2376

■ 10.2303, 6.9979,
10.7965

■ 37.6326, 30.1717,
40.8899

■ 5.6154, 3.4608,
5.8177

■ 52.5037, 43.3652,
57.3686

■ 2.6511, 1.3768,
2.6676

■ 70.8523, 59.9337,
77.7687

■ 0.9721, 0.1995,
0.9270

■ 93.0436, 80.2616,
102.5085

■ 0.0000, 0.0000,
0.0000

■ 119.4430,
104.7335, 132.0068

150.4159,

133.7335, 166.6821

186.3277,
167.6462, 206.9528

■ 16.8613, 12.3725,
18.0224

■ 16.8613, 12.3725,
18.0224

■ 15.6491, 10.4534,
16.0606

■ 18.3086, 14.7303,
20.1596

■ 14.6568, 8.9432,
14.2670

■ 20.0030, 17.5503,
22.4775

■ 13.8689, 7.8116,
12.6348

■ 21.9566, 20.8566,
24.9818

■ 13.2673, 7.0229,
11.1563

■ 24.1809, 24.6710,
27.6778

■ 12.8284, 6.5306,
9.8218

■ 26.6862, 29.0141,
30.5707

■ 12.6260, 6.3193,
9.1579

■ 29.4824, 33.9052,
33.6651

■ 32.5791, 39.3627,
36.9657

■ 35.9851, 45.4041,
40.4770

■ 39.7092, 52.0462,
44.2032

Harmonies

Analogous

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



15.2355, 12.3725, 26.1703



16.8613, 12.3725, 18.0224



17.0087, 12.3725, 10.7903

Triad

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



16.8613, 12.3725, 18.0224



10.7819, 12.3725, 4.1017



8.5985, 12.3725, 24.7874

Complementary

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



16.8613, 12.3725, 18.0224



15.1156, 21.6491, 16.2151

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.



7.7197, 12.3725, 16.5638



16.8613, 12.3725, 18.0224



8.8573, 12.3725, 5.7344

Square

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



16.8613, 12.3725, 18.0224



13.2567, 12.3725, 4.2534



7.8074, 12.3725, 9.7596



10.3799, 12.3725, 30.9183

Rectangle

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



16.8613, 12.3725, 18.0224



16.2247, 12.3725, 7.4568



7.8074, 12.3725, 9.7596



8.1997, 12.3725, 22.0743

Sweetspot

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



16.8617, 12.3731, 18.0226



39.8483, 38.2508, 45.3928



13.0292, 10.2062, 26.4828



8.7339, 8.2599, 9.9320



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.8617, 12.3731, 18.0226



27.9308, 18.5741, 28.6008



15.3630, 11.7736, 10.1310



5.5368, 5.4753, 6.3249



11.5205, 5.7652, 8.3920



0.1210, 0.0595, 0.1376

Inverse Universe

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



16.8617, 12.3731, 18.0226



27.9308, 18.5741, 28.6008



16.9459, 22.3813, 25.8537



5.5368, 5.4753, 6.3249



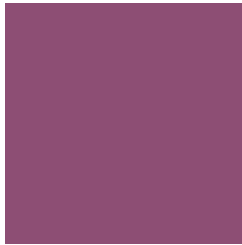
11.5205, 5.7652, 8.3920



0.1210, 0.0595, 0.1376

Previews

White Background



This preview shows how the XYZ color 16.8613, 12.3725, 18.0224 looks on a white background.

Color Contrast Check

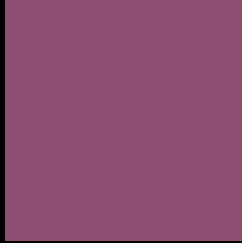
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8613, 12.3725, 18.0224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

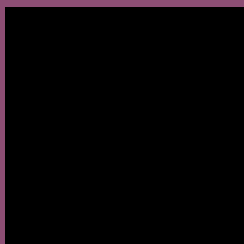
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8613, 12.3725, 18.0224

Background



This preview shows how black text looks on a background with the XYZ color 16.8613, 12.3725, 18.0224.



This preview shows how white text looks on a background with the XYZ color 16.8613, 12.3725,

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

16.8613, 12.3725, 18.0224

Protanopia

12.7113, 12.5712, 22.8756

Deuteranopia

12.7348, 12.5664, 17.3771



Tritanopia

15.3777, 12.3111, 11.0170

Trichromacy



Original Color

16.8613, 12.3725, 18.0224

Protanomaly

13.7494, 12.2140, 21.0349

Deuteranomaly

13.8959, 12.2402, 17.5498

Tritanomaly

15.8420, 12.2747, 13.3387

Monochromacy



Original Color

16.8613, 12.3725, 18.0224

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7183, 12.5823, 15.3413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8613, 12.3725, 18.0224 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(141, 78, 116)` looks like.

```
.text, #text, p{  
    color:rgb(141, 78, 116)  
}
```

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(141, 78, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 78, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.8613, 12.3725, 18.0224 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(141, 78, 116) }
```


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

```
.border{ border-color:rgb(141, 78, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 78, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 78, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 78, 116);  
box-shadow:4px 4px 4px 4px rgb(141, 78,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8613, 12.3725, 18.0224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 78, 116) }
```

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

```
.background{ background-color: rgb(141, 78,  
116) }
```

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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