

Converting Colors

XYZ(16.7659, 12.0207, 17.6562)

Have a look what the booklet for
XYZ(16.7659, 12.0207, 17.6562)
contains.

XYZ(16.7659, 12.0207, 17.6562)	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(16.7659, 12.0207,
17.6562)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4B73
RGB	142, 75, 115
RGB Percent	56%, 29%, 45%
CMY	0.4431, 0.7059, 0.5490
CMYK	0.00, 0.47, 0.19, 0.44
HSL	324°, 31%, 43%
HSV	324°, 47%, 56%
XYZ	16.7659, 12.0207, 17.6562
YIQ	99.5930, 27.0920, 26.6440

Conversions

Conversions Part 2

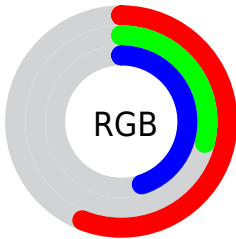
Format	Color
R_{YB}	142, 75, 115
Decimal	9325427
CIE _{Lab}	41.25, 33.65, -10.36
CIE _{LCh}	41, 35.209, 342.892
Yxy	12.0207, 0.3610, 0.2588
Android (android.graphics.Color)	4287515507 (0xFF8E4B73)
YUV	99.5930, 7.5957, 37.1909
Hunter-Lab	34.6709, 25.6437, -5.9239

Details

The XYZ color **16.7659, 12.0207, 17.6562** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.9734, 21.8015, 15.9902**, and the grayscale version is **11.9864, 12.6107, 13.7330**.

A 20% lighter version of the original color is **37.4619, 29.5820, 40.2947**, and **5.5990, 3.3177, 5.6555** is the 20% darker color. If you saturate the color by 10%, you get **15.5890, 10.1775, 15.6893**, and if you desaturate by 10%, it is **18.1790, 14.3032, 19.8029**.

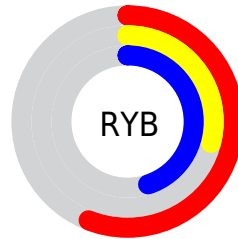
Distribution



Red (56%)

Green (29%)

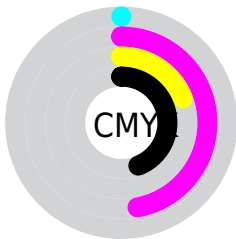
Blue (45%)



Red (56%)

Yellow (29%)

Blue (45%)

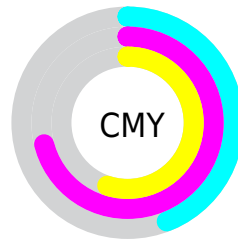


Cyan (0%)

Magenta (47%)

Yellow (19%)

Black (44%)



Cyan (44%)


Magenta (71%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7659, 12.0207, 17.6562 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 16.7659, 12.0207, 17.6562 by changing the saturation by 10% instead.


 16.7659, 12.0207,
17.6562


 16.7659, 12.0207,
17.6562


227.0023,
204.5423, 251.0967


 10.1620, 6.7578,
10.5366


 37.4696, 29.5328,
40.2566


 5.5696, 3.3111,
5.6459

 52.3002, 42.5508,
56.5745


 2.6233, 1.2962,
2.5657

 70.6037, 58.9225,
76.7955

 0.9579, 0.1383,
0.8747

 92.7454, 79.0325,
101.3382

 0.0000, 0.0000,
0.0000

 119.0908,
103.2651, 130.6211

150.0052,

132.0046, 165.0628

185.8539,
165.6356, 205.0818

■ 16.7659, 12.0207,
17.6562

■ 16.7659, 12.0207,
17.6562

■ 15.5890, 10.1775,
15.6893

■ 18.1790, 14.3032,
19.8029

■ 14.6323, 8.7427,
13.8948

■ 19.8406, 17.0497,
22.1350

■ 13.8795, 7.6844,
12.2655

■ 21.7637, 20.2851,
24.6586

■ 13.3116, 6.9647,
10.7931

■ 23.9596, 24.0320,
27.3793

■ 12.8942, 6.5159,
9.4642

■ 26.4394, 28.3116,
30.3022

■ 12.7861, 6.4031,
9.1093

■ 29.2133, 33.1439,
33.4325

■ 32.2910, 38.5478,
36.7750

■ 35.6817, 44.5414,
40.3342

■ 39.3944, 51.1419,
44.1146

Harmonies

Analogous

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



15.0877, 12.0207, 26.2653



16.7659, 12.0207, 17.6562



16.8864, 12.0207, 10.2056

Triad

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



16.7659, 12.0207, 17.6562



10.3685, 12.0207, 3.6325



8.2038, 12.0207, 25.1232

Complementary

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



16.7659, 12.0207, 17.6562



14.9734, 21.8015, 15.9902

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.



7.2903, 12.0207, 16.4689



16.7659, 12.0207, 17.6562



8.4095, 12.0207, 5.2751

Square

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



16.7659, 12.0207, 17.6562



12.9252, 12.0207, 3.7471



7.3596, 12.0207, 9.3855



10.0462, 12.0207, 31.5575

Rectangle

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



16.7659, 12.0207, 17.6562



16.0436, 12.0207, 6.8605



7.3596, 12.0207, 9.3855



7.7911, 12.0207, 22.2633

Sweetspot

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



16.7663, 12.0213, 17.6564



39.4468, 37.5857, 44.8333



12.8559, 9.7989, 26.8052



8.6516, 8.1247, 9.8133



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.



16.7663, 12.0213, 17.6564



27.3031, 17.6612, 27.3353



15.1834, 11.3881, 9.3214



5.5355, 5.4747, 6.3178



11.4892, 5.7527, 8.2274



0.1208, 0.0594, 0.1362

Inverse Universe

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



16.7663, 12.0213, 17.6564



27.3031, 17.6612, 27.3353



16.9694, 22.5999, 26.5007



5.5355, 5.4747, 6.3178



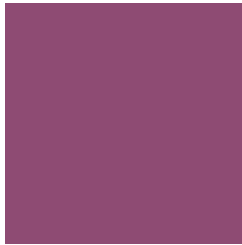
11.4892, 5.7527, 8.2274



0.1208, 0.0594, 0.1362

Previews

White Background



This preview shows how the XYZ color 16.7659, 12.0207, 17.6562 looks on a white background.

Color Contrast Check

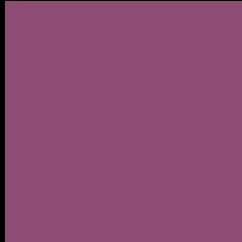
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7659, 12.0207, 17.6562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

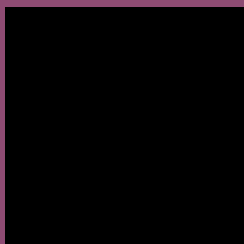
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7659, 12.0207, 17.6562

Background



This preview shows how black text looks on a background with the XYZ color 16.7659, 12.0207, 17.6562.



This preview shows how white text looks on a background with the XYZ color 16.7659, 12.0207,

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

16.7659, 12.0207, 17.6562

Protanopia

12.4238, 12.2849, 22.8355

Deuteranopia

12.3837, 12.1210, 17.0161



Tritanopia

15.3102, 12.0619, 10.5381

Trichromacy



Original Color

16.7659, 12.0207, 17.6562

Protanomaly

13.4584, 11.8136, 20.9729

Deuteranomaly

13.6728, 11.8847, 17.1961

Tritanomaly

15.7689, 12.0305, 12.8003

Monochromacy



Original Color

16.7659, 12.0207, 17.6562

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.3611, 12.1469, 15.0050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7659, 12.0207, 17.6562 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(142, 75, 115)` looks like.

```
.text, #text, p{  
    color:rgb(142, 75, 115)  
}
```

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(142, 75, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 75, 115) }
```

Border

The CSS property to change the border of an element to XYZ 16.7659, 12.0207, 17.6562 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(142, 75, 115) }
```


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

```
.border{ border-color:rgb(142, 75, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 75, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 75, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 75, 115);  
box-shadow:4px 4px 4px 4px rgb(142, 75,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7659, 12.0207, 17.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 75, 115) }
```

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

```
.background{ background-color: rgb(142, 75,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor