

Converting Colors

XYZ(16.6795, 21.2101, 15.9717)

Have a look what the booklet for
XYZ(16.6795, 21.2101, 15.9717)
contains.

XYZ(16.7057, 21.1908, 16.0417)	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(16.7057, 21.1908,
16.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	678767
RGB	103, 135, 103
RGB Percent	40%, 53%, 40%
CMY	0.5961, 0.4706, 0.5961
CMYK	0.24, 0.00, 0.24, 0.47
HSL	120°, 13%, 47%
HSV	120°, 24%, 53%
XYZ	16.7057, 21.1908, 16.0417
YIQ	121.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

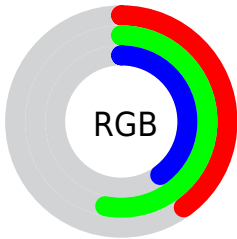
Format	Color
RYB	103, 135, 135
Decimal	6784871
CIELab	53.16, -18.02, 13.61
CIElCh	53, 22.576, 142.939
Yxy	21.1908, 0.3097, 0.3929
Android (android.graphics.Color)	4284974951 (0xFF678767)
YUV	121.7840, -9.2605, -16.4736
Hunter-Lab	46.0335, -15.7803, 11.5621

Details

The XYZ color **16.7057, 21.1908, 16.0417** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2159, 16.6012, 25.1143**, and the grayscale version is **18.4600, 19.4214, 21.1499**.

A 20% lighter version of the original color is **37.3335, 45.2681, 37.3418**, and **5.5379, 7.5947, 4.9154** is the 20% darker color. If you saturate the color by 10%, you get **14.6567, 20.2072, 12.6898**, and if you desaturate by 10%, it is **19.1153, 22.3489, 19.9826**.

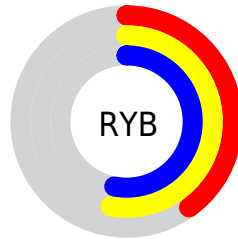
Distribution



Red (40%)

Green (53%)

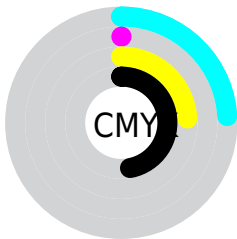
Blue (40%)



Red (40%)

Yellow (53%)

Blue (53%)

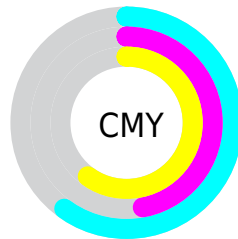


Cyan (24%)

Magenta (0%)

Yellow (24%)

Black (47%)



Cyan (60%)

Magenta (47%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7057, 21.1908, 16.0417 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 16.7057, 21.1908, 16.0417 by changing the saturation by 10% instead.

■ 16.7057, 21.1908,
16.0417

■ 16.7057, 21.1908,
16.0417

226.6601,
258.2908, 241.4418

■ 10.1189, 13.2635,
9.3990

■ 37.3667, 45.4049,
37.4384

■ 5.5407, 7.6103,
4.9020

■ 52.1716, 62.4605,
53.0294

■ 2.6059, 3.8466,
2.1321

■ 70.4466, 83.3276,
72.4403

■ 0.9489, 1.5881,
0.6348

■ 92.5570, 108.3907,
96.0897

■ 0.0000, 0.3496,
0.0000

118.8682,
138.0342, 124.3959

■ 0.0000, 0.0000,
0.0000

149.7456,

172.6425, 157.7777

185.5544,
212.5998, 196.6534

■ 16.7057, 21.1908,
16.0417

■ 16.7057, 21.1908,
16.0417

■ 14.6567, 20.2072,
12.6898

■ 19.1153, 22.3489,
19.9826

■ 12.9494, 19.3871,
9.8972

■ 21.8999, 23.6865,
24.5374

■ 11.5658, 18.7225,
7.6340

■ 25.0752, 25.2117,
29.7311

■ 10.4854, 18.2035,
5.8668

■ 28.6554, 26.9315,
35.5872

■ 9.6854, 17.8192,
4.5583

■ 32.6541, 28.8523,
42.1278

■ 9.1401, 17.5573,
3.6662

■ 37.0842, 30.9803,
49.3740

■ 8.8173, 17.4023,
3.1383

■ 41.9581, 33.3214,
57.3460

■ 8.6644, 17.3288,
2.8882

■ 47.2876, 35.8815,
66.0634

■ 53.0841, 38.6658,
75.5447

Harmonies

Analogous

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



18.4098, 21.1908, 12.9859



16.7057, 21.1908, 16.0417



15.9325, 21.1908, 21.4993

Triad

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



16.7057, 21.1908, 16.0417



19.5839, 21.1908, 38.6767



24.6563, 21.1908, 18.3328

Complementary

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



16.7057, 21.1908, 16.0417



19.2159, 16.6012, 25.1143

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.



25.0326, 21.1908, 24.7220



16.7057, 21.1908, 16.0417



21.9780, 21.1908, 37.3695

Square

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



16.7057, 21.1908, 16.0417



17.5073, 21.1908, 35.1913



24.0181, 21.1908, 31.9072



23.0269, 21.1908, 14.1154

Rectangle

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



16.7057, 21.1908, 16.0417



16.0023, 21.1908, 26.1339



24.0181, 21.1908, 31.9072



24.9385, 21.1908, 20.2613

Sweetspot

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



16.7063, 21.1917, 16.0422



37.4176, 41.5518, 40.9969



21.1048, 23.4592, 16.2480



8.6097, 9.5961, 9.4031



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7063, 21.1917, 16.0422



28.0312, 37.0429, 25.6436



17.5879, 21.5444, 20.6849



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6631



0.0277, 0.0554, 0.0092

Inverse Universe

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



19.2159, 16.6012, 25.1143



33.2733, 27.4541, 44.5937



18.1724, 16.1838, 19.6194



4.8579, 4.7628, 5.8640



13.2462, 6.3628, 21.6664



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 16.7057, 21.1908, 16.0417 looks on a white 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

Black Background



This preview shows how the XYZ color 16.7057, 21.1908, 16.0417 looks on a black 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

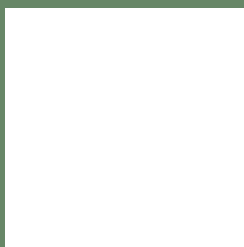
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7057, 21.1908, 16.0417

Background



This preview shows how black text looks on a background with the XYZ color 16.7057, 21.1908, 16.0417.



This preview shows how white text looks on a background with the XYZ color 16.7057, 21.1908,

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

16.7057, 21.1908, 16.0417

Protanopia

19.7047, 20.9735, 14.8141

Deuteranopia

21.4151, 21.0707, 16.5740



Tritanopia

19.1467, 21.1737, 27.8887

Trichromacy



Original Color

16.7057, 21.1908, 16.0417

Protanomaly

18.3189, 20.8316, 15.1120

Deuteranomaly

19.3451, 20.9445, 16.3877

Tritanomaly

18.1454, 21.1606, 23.2067

Monochromacy



Original Color

16.7057, 21.1908, 16.0417

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.7541, 20.0614, 19.1561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7057, 21.1908, 16.0417 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(103, 135, 103)` looks like.

```
.text, #text, p{  
    color:rgb(103, 135, 103)  
}
```

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(103, 135, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 135, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.7057, 21.1908, 16.0417 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(103, 135, 103) }
```


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

```
.border{ border-color:rgb(103, 135, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 135, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 135, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 135, 103);  
box-shadow:4px 4px 4px 4px rgb(103, 135,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7057, 21.1908, 16.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 135, 103) }
```

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

```
.background{ background-color: rgb(103,  
135, 103) }
```

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