

Converting Colors

XYZ(16.7421, 17.6327, 17.8505)

Have a look what the booklet for
XYZ(16.7421, 17.6327, 17.8505)
contains.

XYZ(16.6412, 17.5122, 17.8323)	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(16.6412, 17.5122,
17.8323)**

Conversions

Conversions Part 1

Format	Color
Hex	767470
RGB	118, 116, 112
RGB Percent	46%, 45%, 44%
CMY	0.5373, 0.5451, 0.5608
CMYK	0.00, 0.02, 0.05, 0.54
HSL	40°, 3%, 45%
HSV	40°, 5%, 46%
XYZ	16.6412, 17.5122, 17.8323
YIQ	116.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

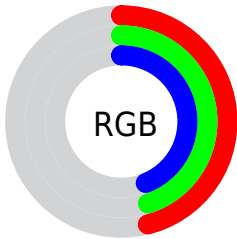
Format	Color
R_{YB}	115, 118, 112
Decimal	7763056
CIE Lab	48.90, -0.02, 2.47
CIE LCh	49, 2.471, 90.470
Yxy	17.5122, 0.3201, 0.3369
Android (android.graphics.Color)	4285953136 (0xFF767470)
YUV	116.1420, -2.0420, 1.6295
Hunter-Lab	41.8476, -2.2506, 4.0284

Details

The XYZ color **16.6412, 17.5122, 17.8323** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9693, 16.7870, 19.5382**, and the grayscale version is **16.6499, 17.5170, 19.0760**.

A 20% lighter version of the original color is **37.2810, 39.2316, 40.7295**, and **5.5183, 5.8065, 5.6804** is the 20% darker color. If you saturate the color by 10%, you get **15.5837, 16.3805, 14.4480**, and if you desaturate by 10%, it is **17.8050, 18.7182, 21.6773**.

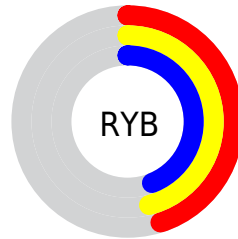
Distribution



Red (46%)

Green (45%)

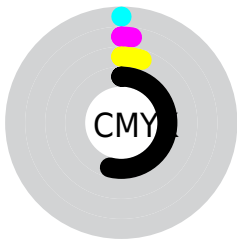
Blue (44%)



Red (45%)

Yellow (46%)

Blue (44%)

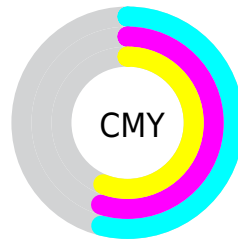


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6412, 17.5122, 17.8323 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 16.6412, 17.5122, 17.8323 by changing the saturation by 10% instead.

■ 16.6412, 17.5122,
17.8323

■ 16.6412, 17.5122,
17.8323

226.2929,
238.1070, 252.1284

■ 10.0727, 10.6003,
10.6615

■ 37.2564, 39.2044,
40.5614

■ 5.5098, 5.7988,
5.7284

■ 52.0338, 54.7534,
56.9568

■ 2.5872, 2.7231,
2.6145

■ 70.2782, 73.9504,
77.2641

■ 0.9394, 0.9889,
0.8999

■ 92.3550, 97.1796,
101.9019

■ 0.0000, 0.0000,
0.0000

118.6295,
124.8255, 131.2886

149.4671,

157.2724, 165.8430

185.2331,
194.9048, 205.9834

■ 16.6412, 17.5122,
17.8323

■ 16.6412, 17.5122,
17.8323

■ 15.5837, 16.3805,
14.4480

■ 17.8050, 18.7182,
21.6773

■ 14.6275, 15.3190,
11.5057

■ 19.0769, 19.9979,
25.9986

■ 13.7692, 14.3266,
8.9871

■ 20.4607, 21.3537,
30.8122

■ 13.0048, 13.4012,
6.8721

■ 21.9594, 22.7872,
36.1333

■ 12.3300, 12.5408,
5.1390

■ 23.5760, 24.2999,
41.9763

■ 11.7400, 11.7430,
3.7641

■ 25.3133, 25.8933,
48.3549

■ 11.2295, 11.0053,
2.7209

■ 27.1741, 27.5688,
55.2826

■ 10.7927, 10.3249,
1.9793

■ 29.1609, 29.3279,
62.7722

■ 10.4196, 9.6974,
1.4892

■ 31.2764, 31.1718,
70.8360

Harmonies

Analogous

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



16.8632, 17.5122, 17.9896



16.6412, 17.5122, 17.8323



16.4221, 17.5122, 17.9996

Triad

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



16.6412, 17.5122, 17.8323



16.2675, 17.5122, 19.7156



17.0316, 17.5122, 19.6972

Complementary

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



16.6412, 17.5122, 17.8323



15.9693, 16.7870, 19.5382

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.



16.8695, 17.5122, 20.1774



16.6412, 17.5122, 17.8323



16.4284, 17.5122, 20.1882

Square

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



16.6412, 17.5122, 17.8323



16.2076, 17.5122, 19.0782



16.6484, 17.5122, 20.3591



17.0898, 17.5122, 19.0574

Rectangle

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



16.6412, 17.5122, 17.8323



16.3069, 17.5122, 18.2750



16.6484, 17.5122, 20.3591



16.9874, 17.5122, 19.8832

Sweetspot

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



16.6417, 17.5130, 17.8327



29.8623, 31.4228, 33.3201



16.3028, 16.6550, 18.2753



6.8731, 7.2322, 7.6849



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



16.6417, 17.5130, 17.8327



29.0546, 30.5753, 30.6838



16.7393, 17.9087, 17.9039



3.9388, 4.1450, 4.1499



11.0742, 10.1496, 1.3754



53.1547, 47.8379, 6.4321

Inverse Universe

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



15.9693, 16.7870, 19.5382



27.6344, 29.0418, 34.2861



15.8744, 16.4073, 19.4699



3.7409, 3.9313, 4.6519



4.3218, 2.9833, 18.8906



20.3472, 13.1110, 91.8186

Previews

White Background



This preview shows how the XYZ color 16.6412, 17.5122, 17.8323 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 16.6412, 17.5122, 17.8323 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

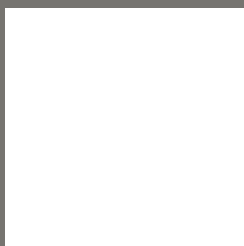
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6412, 17.5122, 17.8323

Background



This preview shows how black text looks on a background with the XYZ color 16.6412, 17.5122, 17.8323.



This preview shows how white text looks on a background with the XYZ color 16.6412, 17.5122,

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

16.6412, 17.5122, 17.8323

Protanopia

16.7778, 17.5826, 17.8387

Deuteranopia

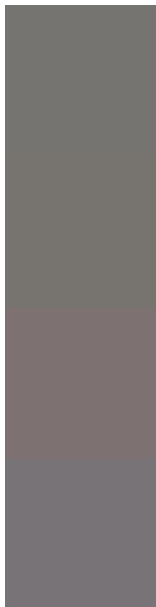
17.8281, 17.4477, 18.0509



Tritanopia

17.3382, 17.4578, 21.1948

Trichromacy



Original Color

16.6412, 17.5122, 17.8323

Protanomaly

16.7778, 17.5826, 17.8387

Deuteranomaly

17.3432, 17.3625, 18.0600

Tritanomaly

17.0683, 17.5153, 19.9340

Monochromacy



Original Color

16.6412, 17.5122, 17.8323

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6760, 17.5105, 18.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6412, 17.5122, 17.8323 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(118, 116, 112)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 112)  
}
```

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(118, 116, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.6412, 17.5122, 17.8323 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(118, 116, 112) }
```


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

```
.border{ border-color:rgb(118, 116, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 116, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 116, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 116, 112);  
box-shadow:4px 4px 4px 4px rgb(118, 116,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6412, 17.5122, 17.8323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 112) }
```

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

```
.background{ background-color: rgb(118,  
116, 112) }
```

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