

Converting Colors

XYZ(16.3614, 17.7008, 16.1581)

Have a look what the booklet for
XYZ(16.3614, 17.7008, 16.1581)
contains.

XYZ(16.4161, 17.7794, 16.2022)	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(16.4161, 17.7794,
16.2022)**

Conversions

Conversions Part 1

Format	Color
Hex	75766A
RGB	117, 118, 106
RGB Percent	46%, 46%, 42%
CMY	0.5412, 0.5372, 0.5843
CMYK	0.01, 0.00, 0.10, 0.54
HSL	65°, 5%, 44%
HSV	65°, 10%, 46%
XYZ	16.4161, 17.7794, 16.2022
YIQ	116.3330, 3.2560, -3.9440

Conversions

Conversions Part 2

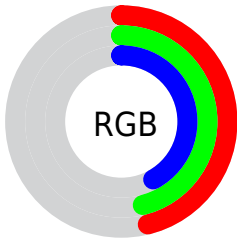
Format	Color
R_{YB}	106, 118, 107
Decimal	7698026
CIE Lab	49.23, -2.70, 6.48
CIE LCh	49, 7.020, 112.646
Yxy	17.7794, 0.3257, 0.3528
Android (android.graphics.Color)	4285888106 (0xFF75766A)
YUV	116.3330, -5.0942, 0.5850
Hunter-Lab	42.1656, -4.2955, 6.7337

Details

The XYZ color **16.4161, 17.7794, 16.2022** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4881, 14.7423, 19.2224**, and the grayscale version is **16.7176, 17.5882, 19.1535**.

A 20% lighter version of the original color is **36.8227, 39.6188, 37.6047**, and **5.4338, 5.9613, 5.0019** is the 20% darker color. If you saturate the color by 10%, you get **15.7127, 17.4834, 13.1834**, and if you desaturate by 10%, it is **17.2063, 18.1115, 19.6667**.

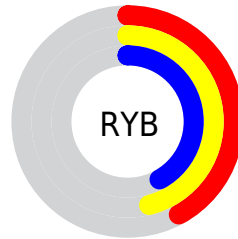
Distribution



Red (46%)

Green (46%)

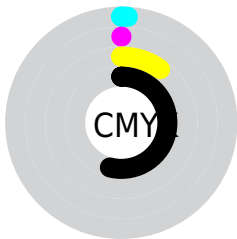
Blue (42%)



Red (42%)

Yellow (46%)

Blue (42%)

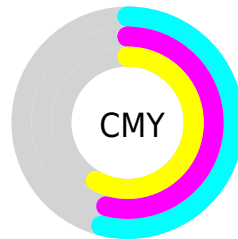


Cyan (1%)

Magenta (0%)

Yellow (10%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4161, 17.7794, 16.2022 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 16.4161, 17.7794, 16.2022 by changing the saturation by 10% instead.

■ 16.4161, 17.7794,
16.2022

■ 16.4161, 17.7794,
16.2022

225.0071,
239.6247, 242.4182

■ 9.9118, 10.7917,
9.5114

■ 36.8707, 39.6611,
37.7205

■ 5.4023, 5.9270,
4.9749

■ 51.5517, 55.3239,
53.3852

■ 2.5224, 2.8007,
2.1741

■ 69.6890, 74.6471,
72.8783

■ 0.9065, 1.0286,
0.6593

■ 91.6480, 98.0153,
96.6182

■ 0.0000, 0.0000,
0.0000

117.7939,
125.8127, 125.0237

148.4921,

158.4238, 158.5131

184.1081,
196.2330, 197.5051

■ 16.4161, 17.7794,
16.2022

■ 16.4161, 17.7794,
16.2022

■ 15.7127, 17.4834,
13.1834

■ 17.2063, 18.1115,
19.6667

■ 15.0912, 17.2198,
10.5911

■ 18.0852, 18.4785,
23.5926

■ 14.5486, 16.9878,
8.4063

■ 19.0562, 18.8827,
27.9967

■ 14.0807, 16.7859,
6.6084

■ 20.1224, 19.3250,
32.8941

■ 13.6834, 16.6124,
5.1746

■ 21.2864, 19.8066,
38.2996

■ 13.3518, 16.4654,
4.0801

■ 22.5509, 20.3286,
44.2272

■ 13.0807, 16.3427,
3.2967

■ 23.9186, 20.8920,
50.6904

■ 12.8639, 16.2418,
2.7921

■ 25.3919, 21.4978,
57.7023

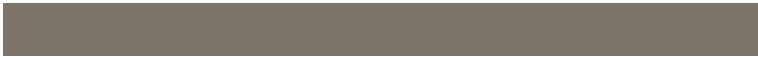
■ 12.6813, 16.1551,
2.4499

■ 26.9731, 22.1470,
65.2753

Harmonies

Analogous

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



17.0613, 17.7794, 15.9815



16.4161, 17.7794, 16.2022



15.9125, 17.7794, 17.2415

Triad

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



16.4161, 17.7794, 16.2022



16.1424, 17.7794, 22.3856



18.1855, 17.7794, 19.8265

Complementary

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



16.4161, 17.7794, 16.2022



14.4881, 14.7423, 19.2224

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.



17.9250, 17.7794, 21.6426



16.4161, 17.7794, 16.2022



16.7373, 17.7794, 23.1811

Square

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



16.4161, 17.7794, 16.2022



15.7573, 17.7794, 20.7883



17.3908, 17.7794, 22.9007



18.0941, 17.7794, 17.9963

Rectangle

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



16.4161, 17.7794, 16.2022



15.7192, 17.7794, 18.2975



17.3908, 17.7794, 22.9007



18.1359, 17.7794, 20.4603

Sweetspot

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



16.4166, 17.7802, 16.2026



29.8337, 31.6687, 32.7277



15.3310, 15.4080, 15.8019



6.8362, 7.2715, 7.4233



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.



16.4166, 17.7802, 16.2026



28.5884, 31.1457, 27.2939



15.6361, 17.3778, 16.1661



3.9380, 4.2515, 3.9554



13.7136, 17.4740, 2.6500



66.4778, 84.9723, 12.8976

Inverse Universe

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



14.4881, 14.7423, 19.2224



24.5451, 24.7763, 33.6256



15.2347, 15.1272, 19.2574



3.5264, 3.6031, 4.5999



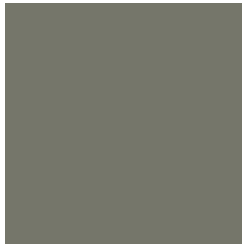
3.6656, 1.4810, 18.6352



17.5461, 7.0538, 90.7970

Previews

White Background



This preview shows how the XYZ color 16.4161, 17.7794, 16.2022 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 16.4161, 17.7794, 16.2022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

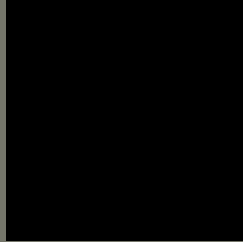
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4161, 17.7794, 16.2022

Background



This preview shows how black text looks on a background with the XYZ color 16.4161, 17.7794, 16.2022.



This preview shows how white text looks on a background with the XYZ color 16.4161, 17.7794,

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

16.4161, 17.7794, 16.2022

Protanopia

16.9371, 17.8801, 15.9231

Deuteranopia

18.0747, 17.7773, 16.3886



Tritanopia

17.5146, 17.7098, 21.5640

Trichromacy



Original Color

16.4161, 17.7794, 16.2022

Protanomaly

16.6568, 17.7356, 15.9100

Deuteranomaly

17.5370, 17.8350, 16.4281

Tritanomaly

17.0640, 17.6971, 19.3461

Monochromacy



Original Color

16.4161, 17.7794, 16.2022

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4884, 17.6054, 17.8584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4161, 17.7794, 16.2022 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(117, 118, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 106)  
}
```

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(117, 118, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 106) }
```

Border

The CSS property to change the border of an element to XYZ 16.4161, 17.7794, 16.2022 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(117, 118, 106) }
```


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

```
.border{ border-color:rgb(117, 118, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 106);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4161, 17.7794, 16.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 106) }
```

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

```
.background{ background-color: rgb(117,  
118, 106) }
```

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