

Converting Colors

XYZ(16.7978, 17.7881, 19.2359)

Have a look what the booklet for
XYZ(16.7978, 17.7881, 19.2359)
contains.

XYZ(16.7746, 17.7199, 19.3658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(16.7746, 17.7199,
19.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	747575
RGB	116, 117, 117
RGB Percent	45%, 46%, 46%
CMY	0.5451, 0.5412, 0.5412
CMYK	0.01, 0.00, 0.00, 0.54
HSL	180°, 0%, 46%
HSV	180°, 1%, 46%
XYZ	16.7746, 17.7199, 19.3658
YIQ	116.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

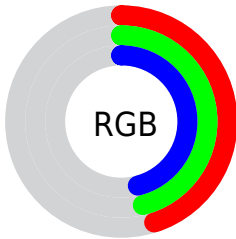
Format	Color
R_{YB}	116, 117, 117
Decimal	7632245
CIE Lab	49.15, -0.38, -0.14
CIE LCh	49, 0.401, 200.301
Yxy	17.7199, 0.3114, 0.3290
Android (android.graphics.Color)	4285822325 (0xFF747575)
YUV	116.7010, 0.1474, -0.6148
Hunter-Lab	42.0950, -2.5351, 2.1902

Details

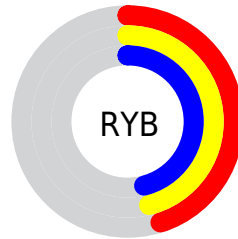
The XYZ color **16.7746, 17.7199, 19.3658** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7345, 17.5340, 19.0262**, and the grayscale version is **16.8161, 17.6919, 19.2665**.

A 20% lighter version of the original color is **37.4978, 39.5653, 43.1966**, and **5.5862, 5.9149, 6.4775** is the 20% darker color. If you saturate the color by 10%, you get **15.3151, 16.9682, 19.2910**, and if you desaturate by 10%, it is **18.4310, 18.5742, 19.4505**.

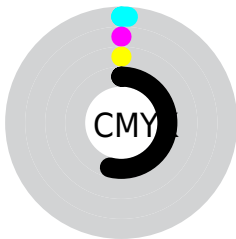
Distribution



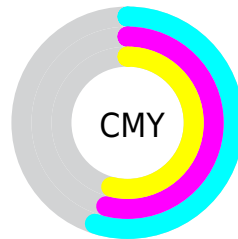
- Red (45%)
- Green (46%)
- Blue (46%)



- Red (45%)
- Yellow (46%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (55%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7746, 17.7199, 19.3658 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 16.7746, 17.7199, 19.3658 by changing the saturation by 10% instead.

■ 16.7746, 17.7199,
19.3658

■ 16.7746, 17.7199,
19.3658

227.0518,
239.2875, 260.9505

■ 10.1682, 10.7491,
11.7554

■ 37.4845, 39.5595,
43.1962

■ 5.5738, 5.8984,
6.4568

■ 52.3188, 55.1970,
60.2533

■ 2.6259, 2.7834,
3.0516

■ 70.6264, 74.4922,
81.2964

■ 0.9591, 1.0197,
1.1210

■ 92.7726, 97.8295,
106.7440

■ 0.0000, 0.0000,
0.0000

119.1230,
125.5933, 137.0147

150.0427,

158.1680, 172.5270

185.8972,
195.9379, 213.6994

■ 16.7746, 17.7199,
19.3658

■ 16.7746, 17.7199,
19.3658

■ 15.3151, 16.9682,
19.2910

■ 18.4310, 18.5742,
19.4505

■ 14.0438, 16.3129,
19.2247

■ 20.2898, 19.5322,
19.5444

■ 12.9534, 15.7509,
19.1668

■ 22.3578, 20.5982,
19.6480

■ 12.0357, 15.2780,
19.1170

■ 24.6415, 21.7753,
19.7617

■ 11.2819, 14.8896,
19.0749

■ 27.1468, 23.0667,
19.8859

■ 10.6824, 14.5806,
19.0400

■ 29.8793, 24.4752,
20.0206

■ 10.2263, 14.3457,
19.0118

■ 32.8448, 26.0038,
20.1662

■ 9.9018, 14.1785,
18.9898

■ 36.0485, 27.6552,
20.3230

■ 9.6948, 14.0720,
18.9732

■ 39.4956, 29.4321,
20.4912

Harmonies

Analogous

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



16.7712, 17.7199, 19.2591



16.7746, 17.7199, 19.3658



16.7962, 17.7199, 19.4535

Triad

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



16.7746, 17.7199, 19.3658



16.8979, 17.7199, 19.4264



16.8544, 17.7199, 19.0908

Complementary

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



16.7746, 17.7199, 19.3658



16.7345, 17.5340, 19.0262

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.



16.8884, 17.7199, 19.1353



16.7746, 17.7199, 19.3658



16.9135, 17.7199, 19.3288

Square

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



16.7746, 17.7199, 19.3658



16.8673, 17.7199, 19.4886



16.9100, 17.7199, 19.2223



16.8172, 17.7199, 19.1007

Rectangle

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



16.7746, 17.7199, 19.3658



16.8179, 17.7199, 19.4893



16.9100, 17.7199, 19.2223



16.8666, 17.7199, 19.0999

Sweetspot

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



16.7751, 17.7207, 19.3662



30.2779, 31.8547, 34.6897



16.7188, 17.6984, 19.0582



6.9614, 7.3239, 7.9757



57.3938, 60.3827, 65.7568

Same Dimension

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



16.7751, 17.7207, 19.3662



29.9907, 31.7066, 34.6750



16.7189, 17.6081, 19.3480



4.0750, 4.3057, 4.7064



10.5319, 15.4268, 20.8891



51.3195, 75.1751, 101.7745

Inverse Universe

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



16.7345, 17.5340, 19.0262



29.9037, 31.3069, 33.9467



16.7904, 17.6460, 19.0443



4.0646, 4.2578, 4.6192



8.0841, 4.1673, 0.3850



39.3911, 20.3066, 1.8571

Previews

White Background



This preview shows how the XYZ color 16.7746, 17.7199, 19.3658 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 16.7746, 17.7199, 19.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

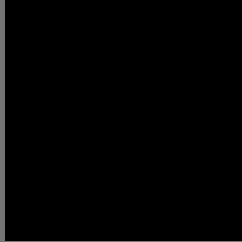
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

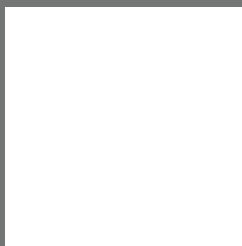
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7746, 17.7199, 19.3658

Background



This preview shows how black text looks on a background with the XYZ color 16.7746, 17.7199, 19.3658.



This preview shows how white text looks on a background with the XYZ color 16.7746, 17.7199,

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

16.7746, 17.7199, 19.3658

Protanopia

17.0640, 17.6971, 19.3461

Deuteranopia

17.9275, 17.6303, 19.5976



Tritanopia

17.2832, 17.7534, 21.9179

Trichromacy



Original Color

16.7746, 17.7199, 19.3658

Protanomaly

16.9275, 17.6267, 19.3397

Deuteranomaly

17.4557, 17.5536, 19.6077

Tritanomaly

17.0944, 17.6778, 20.9235

Monochromacy



Original Color

16.7746, 17.7199, 19.3658

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9083, 17.7888, 19.3720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7746, 17.7199, 19.3658 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(116, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 117)  
}
```

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(116, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 117) }
```

Border

The CSS property to change the border of an element to XYZ 16.7746, 17.7199, 19.3658 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(116, 117, 117) }
```

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

```
.border{ border-color:rgb(116, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
117) }
```


Background

The CSS property to change the background color of an element to XYZ 16.7746, 17.7199, 19.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 117) }
```

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

```
.background{ background-color: rgb(116,  
117, 117) }
```

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