

Converting Colors

XYZ(15.9998, 17.8179, 12.7211)

Have a look what the booklet for
XYZ(15.9998, 17.8179, 12.7211)
contains.

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Color

**XYZ(15.9998, 17.8179,
12.7211)**

Conversions

Conversions Part 1

Format	Color
Hex	76775C
RGB	118, 119, 92
RGB Percent	46%, 47%, 36%
CMY	0.5373, 0.5333, 0.6392
CMYK	0.01, 0.00, 0.23, 0.53
HSL	62°, 13%, 41%
HSV	62°, 23%, 47%
XYZ	15.9998, 17.8179, 12.7211
YIQ	115.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

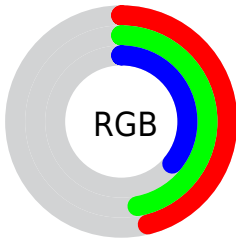
Format	Color
R_{YB}	92, 119, 93
Decimal	7763804
CIE _{Lab}	49.27, -5.28, 14.77
CIE _{LCh}	49, 15.685, 109.670
Yxy	17.8179, 0.3438, 0.3829
Android (android.graphics.Color)	4285953884 (0xFF76775C)
YUV	115.6230, -11.6461, 2.0846
Hunter-Lab	42.2113, -6.2109, 11.6798

Details

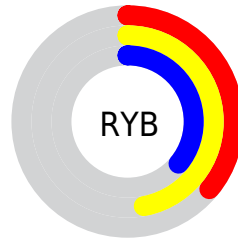
The XYZ color **15.9998, 17.8179, 12.7211** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.6718, 11.3138, 19.0224**, and the grayscale version is **16.5183, 17.3785, 18.9252**.

A 20% lighter version of the original color is **36.0230, 39.6249, 31.3409**, and **5.2006, 5.9689, 3.4628** is the 20% darker color. If you saturate the color by 10%, you get **15.4603, 17.5958, 10.1904**, and if you desaturate by 10%, it is **16.6223, 18.0745, 15.6831**.

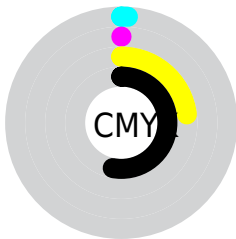
Distribution



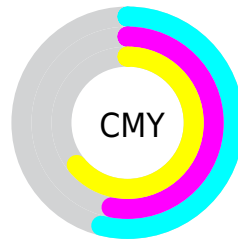
- Red (46%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (47%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9998, 17.8179, 12.7211 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 15.9998, 17.8179, 12.7211 by changing the saturation by 10% instead.

■ 15.9998, 17.8179,
12.7211

■ 15.9998, 17.8179,
12.7211

222.6109,
239.8426, 220.2671

■ 9.6149, 10.8193,
7.1083

■ 36.1553, 39.7268,
31.4856

■ 5.2047, 5.9455,
3.4505

■ 50.6566, 55.4059,
45.4744

■ 2.4038, 2.8120,
1.3290

■ 68.5940, 74.7473,
63.0923

■ 0.8470, 1.0344,
0.0854

■ 90.3330, 98.1354,
84.7579

■ 0.0000, 0.0000,
0.0000

116.2388,
125.9546, 110.8896

146.6768,

158.5893, 141.9060

182.0124,
196.4238, 178.2257

■ 15.9998, 17.8179,
12.7211

■ 15.9998, 17.8179,
12.7211

■ 15.4603, 17.5958,
10.1904

■ 16.6223, 18.0745,
15.6831

■ 14.9985, 17.4042,
8.0698

■ 17.3299, 18.3645,
19.0939

■ 14.6108, 17.2423,
6.3380

■ 18.1265, 18.6901,
22.9715

■ 14.2928, 17.1082,
4.9714

■ 19.0151, 19.0526,
27.3327

■ 14.0394, 17.0001,
3.9437

■ 19.9989, 19.4532,
32.1934

■ 13.8450, 16.9156,
3.2255

■ 21.0807, 19.8930,
37.5685

■ 13.7028, 16.8520,
2.7803

■ 22.2632, 20.3732,
43.4727

■ 13.6128, 16.8111,
2.5274

■ 23.5491, 20.8947,
49.9199

■ 24.9410, 21.4587,
56.9234

Harmonies

Analogous

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



17.4483, 17.8179, 12.4648



15.9998, 17.8179, 12.7211



14.8667, 17.8179, 14.6103

Triad

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



15.9998, 17.8179, 12.7211



15.1677, 17.8179, 26.2645



19.8774, 17.8179, 20.8918

Complementary

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



15.9998, 17.8179, 12.7211



11.6718, 11.3138, 19.0224

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.



19.1876, 17.8179, 25.1380



15.9998, 17.8179, 12.7211



16.4326, 17.8179, 28.5247

Square

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



15.9998, 17.8179, 12.7211



14.4059, 17.8179, 22.2611



17.9067, 17.8179, 28.0850



19.7448, 17.8179, 16.7964

Rectangle

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



15.9998, 17.8179, 12.7211



14.4159, 17.8179, 16.7168



17.9067, 17.8179, 28.0850



19.7325, 17.8179, 22.3574

Sweetspot

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



16.0003, 17.8187, 12.7215



30.4434, 32.6431, 31.3476



13.4457, 12.5062, 11.8307



7.2022, 7.7309, 7.3684



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.0003, 17.8187, 12.7215



28.1495, 31.7000, 20.4211



14.3081, 16.9463, 12.6423



3.9539, 4.2597, 3.9561



14.4602, 17.8589, 2.6850



70.3004, 86.9430, 13.0764

Inverse Universe

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



11.6718, 11.3138, 19.0224



19.0144, 17.9712, 33.7197



13.1490, 12.0753, 19.0915



3.5120, 3.5958, 4.5992



3.5946, 1.4444, 18.6319



17.3558, 6.9557, 90.7881

Previews

White Background



This preview shows how the XYZ color 15.9998, 17.8179, 12.7211 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 15.9998, 17.8179, 12.7211 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 15.9998, 17.8179, 12.7211

Background



This preview shows how black text looks on a background with the XYZ color 15.9998, 17.8179, 12.7211.



This preview shows how white text looks on a background with the XYZ color 15.9998, 17.8179,

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

15.9998, 17.8179, 12.7211

Protanopia

16.7071, 17.8379, 12.4600

Deuteranopia

17.9233, 17.6129, 12.8109



Tritanopia

17.7949, 17.8543, 21.5771

Trichromacy



Original Color

15.9998, 17.8179, 12.7211

Protanomaly

16.3928, 17.8498, 12.4789

Deuteranomaly

17.1598, 17.7189, 12.8716

Tritanomaly

17.0552, 17.7256, 17.8517

Monochromacy



Original Color

15.9998, 17.8179, 12.7211

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3513, 17.5660, 16.4387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9998, 17.8179, 12.7211 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, 119, 92)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 92)  
}
```

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, 119, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 92) }
```

Border

The CSS property to change the border of an element to XYZ 15.9998, 17.8179, 12.7211 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, 119, 92) }
```


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

```
.border{ border-color:rgb(118, 119, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 92);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9998, 17.8179, 12.7211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 92) }
```

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

```
.background{ background-color: rgb(118,  
119, 92) }
```

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](#).

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