

Converting Colors

XYZ(16.9846, 18.5228, 12.1866)

Have a look what the booklet for
XYZ(16.9846, 18.5228, 12.1866)
contains.

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Color

**XYZ(16.9771, 18.5142,
12.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7859
RGB	125, 120, 89
RGB Percent	49%, 47%, 35%
CMY	0.5098, 0.5294, 0.6510
CMYK	0.00, 0.04, 0.29, 0.51
HSL	52°, 17%, 42%
HSV	52°, 29%, 49%
XYZ	16.9771, 18.5142, 12.1300
YIQ	117.9610, 12.9310, -8.5810

Conversions

Conversions Part 2

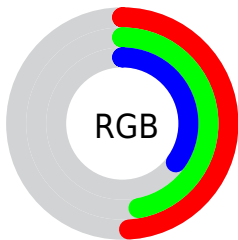
Format	Color
RYB	95, 125, 89
Decimal	8222809
CIELab	50.11, -3.39, 17.76
CIElCh	50, 18.075, 100.801
Yxy	18.5142, 0.3565, 0.3888
Android (android.graphics.Color)	4286412889 (0xFF7D7859)
YUV	117.9610, -14.2778, 6.1732
Hunter-Lab	43.0281, -4.8706, 13.4053

Details

The XYZ color **16.9771, 18.5142, 12.1300** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.8241, 11.6096, 21.0198**, and the grayscale version is **17.2485, 18.1468, 19.7619**.

A 20% lighter version of the original color is **37.7728, 40.8341, 30.3170**, and **5.6551, 6.3050, 3.2044** is the 20% darker color. If you saturate the color by 10%, you get **16.2896, 17.9090, 9.5274**, and if you desaturate by 10%, it is **17.7585, 19.1643, 15.2042**.

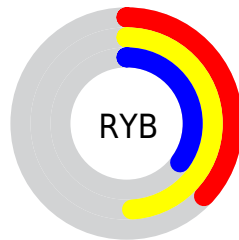
Distribution



Red (49%)

Green (47%)

Blue (35%)



Red (37%)

Yellow (49%)

Blue (35%)

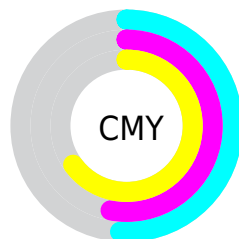


Cyan (0%)

Magenta (4%)

Yellow (29%)

Black (51%)



Cyan (51%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9771, 18.5142, 12.1300 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 16.9771, 18.5142, 12.1300 by changing the saturation by 10% instead.

■ 16.9771, 18.5142,
12.1300

■ 16.9771, 18.5142,
12.1300

228.1992,
243.7536, 216.2724

■ 10.3134, 11.3198,
6.7087

■ 37.8303, 40.9116,
30.3996

■ 5.6711, 6.2824,
3.2049

■ 52.7505, 56.8833,
44.0849

■ 2.6849, 3.0175,
1.2002

■ 71.1535, 76.5497,
61.3620

■ 0.9894, 1.1409,
0.0000

■ 93.4048, 100.2949,
82.6493

■ 0.0000, 0.0126,
0.0000

■ 119.8697,
128.5036, 108.3655

■ 0.0000, 0.0000,
0.0000

150.9134,

161.5600, 138.9291

186.9015,
199.8485, 174.7585

■ 16.9771, 18.5142,
12.1300

■ 16.9771, 18.5142,
12.1300

■ 16.2896, 17.9090,
9.5274

■ 17.7585, 19.1643,
15.2042

■ 15.6900, 17.3443,
7.3715

■ 18.6366, 19.8586,
18.7708

■ 15.1739, 16.8190,
5.6368

■ 19.6158, 20.5994,
22.8509

■ 14.7359, 16.3308,
4.2951

■ 20.6999, 21.3883,
27.4639

■ 14.3699, 15.8775,
3.3142

■ 21.8922, 22.2267,
32.6284

■ 14.0689, 15.4560,
2.6573

■ 23.1962, 23.1159,
38.3618

■ 13.8133, 15.0585,
2.2216

■ 24.6151, 24.0574,
44.6810

■ 13.7832, 15.0114,
2.1710

■ 26.1520, 25.0523,
51.6021

■ 27.8097, 26.1018,
59.1405

Harmonies

Analogous

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



18.7214, 18.5142, 12.3909



16.9771, 18.5142, 12.1300



15.4986, 18.5142, 13.7360

Triad

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



16.9771, 18.5142, 12.1300



15.1822, 18.5142, 27.0969



20.9526, 18.5142, 23.4797

Complementary

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



16.9771, 18.5142, 12.1300



11.8241, 11.6096, 21.0198

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.



19.8772, 18.5142, 28.3243



16.9771, 18.5142, 12.1300



16.5189, 18.5142, 30.6392

Square

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



16.9771, 18.5142, 12.1300



14.5087, 18.5142, 22.0099



18.2322, 18.5142, 31.1221



21.0955, 18.5142, 18.4145

Rectangle

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



16.9771, 18.5142, 12.1300



14.8330, 18.5142, 15.8331



18.2322, 18.5142, 31.1221



20.6850, 18.5142, 25.2083

Sweetspot

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



16.9776, 18.5150, 12.1304



33.3042, 35.5082, 33.3284



14.0684, 12.3203, 12.3208



7.5298, 8.0413, 7.3934



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.9776, 18.5150, 12.1304



29.5175, 32.3831, 18.3523



15.8700, 18.8596, 12.2553



4.6161, 4.9209, 4.6267



14.3817, 15.6598, 2.2646



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.8241, 11.6096, 21.0198



18.6004, 17.7571, 37.1915



12.7085, 11.4271, 20.9379



4.1533, 4.3006, 5.4245



4.0749, 1.9682, 20.4151



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9771, 18.5142, 12.1300 looks on a white background.

Color Contrast Check

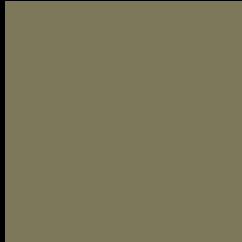
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9771, 18.5142, 12.1300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

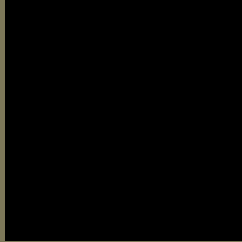
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9771, 18.5142, 12.1300

Background



This preview shows how black text looks on a background with the XYZ color 16.9771, 18.5142, 12.1300.



This preview shows how white text looks on a background with the XYZ color 16.9771, 18.5142,

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

16.9771, 18.5142, 12.1300

Protanopia

17.3021, 18.5041, 12.1109

Deuteranopia

18.6780, 18.3483, 12.2300



Tritanopia

18.8221, 18.3838, 21.6252

Trichromacy



Original Color

16.9771, 18.5142, 12.1300

Protanomaly

17.1524, 18.4269, 12.1039

Deuteranomaly

18.0825, 18.3799, 12.2675

Tritanomaly

18.1326, 18.4595, 17.6463

Monochromacy



Original Color

16.9771, 18.5142, 12.1300

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1358, 18.3201, 16.5429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9771, 18.5142, 12.1300 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(125, 120, 89)` looks like.

```
.text, #text, p{  
    color:rgb(125, 120, 89)  
}
```

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(125, 120, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 120, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.9771, 18.5142, 12.1300 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(125, 120, 89) }
```


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

```
.border{ border-color:rgb(125, 120, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 120, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 120, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 120, 89);  
box-shadow:4px 4px 4px 4px rgb(125, 120,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9771, 18.5142, 12.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 120, 89) }
```

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

```
.background{ background-color: rgb(125,  
120, 89) }
```

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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