

Converting Colors

XYZ(16.9386, 18.4205, 11.9939)

Have a look what the booklet for
XYZ(16.9386, 18.4205, 11.9939)
contains.

XYZ(16.9354, 18.4975, 11.9103)	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(16.9354, 18.4975,
11.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7858
RGB	125, 120, 88
RGB Percent	49%, 47%, 35%
CMY	0.5098, 0.5294, 0.6549
CMYK	0.00, 0.04, 0.30, 0.51
HSL	52°, 17%, 42%
HSV	52°, 30%, 49%
XYZ	16.9354, 18.4975, 11.9103
YIQ	117.8470, 13.2520, -8.8920

Conversions

Conversions Part 2

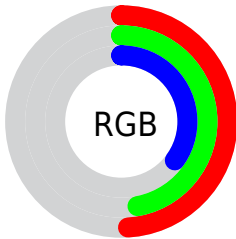
Format	Color
RYB	94, 125, 88
Decimal	8222808
CIELab	50.09, -3.53, 18.31
CIElCh	50, 18.643, 100.922
Yxy	18.4975, 0.3577, 0.3907
Android (android.graphics.Color)	4286412888 (0xFF7D7858)
YUV	117.8470, -14.7146, 6.2732
Hunter-Lab	43.0087, -4.9779, 13.6871

Details

The XYZ color **16.9354, 18.4975, 11.9103** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.6405, 11.3838, 20.9860**, and the grayscale version is **17.2141, 18.1106, 19.7224**.

A 20% lighter version of the original color is **37.7001, 40.8050, 29.9339**, and **5.6369, 6.2978, 3.1090** is the 20% darker color. If you saturate the color by 10%, you get **16.2603, 17.9061, 9.3461**, and if you desaturate by 10%, it is **17.7038, 19.1333, 14.9442**.

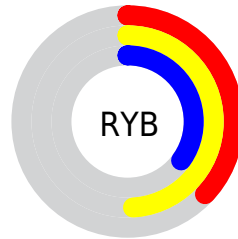
Distribution



Red (49%)

Green (47%)

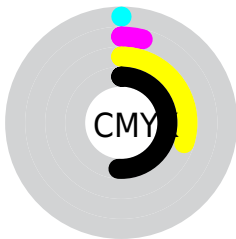
Blue (35%)



Red (37%)

Yellow (49%)

Blue (35%)

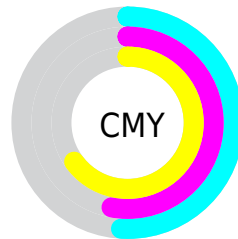


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (51%)



Cyan (51%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9354, 18.4975, 11.9103 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 16.9354, 18.4975, 11.9103 by changing the saturation by 10% instead.

■ 16.9354, 18.4975,
11.9103

■ 16.9354, 18.4975,
11.9103

227.9633,
243.6604, 214.7673

■ 10.2835, 11.3078,
6.5608

■ 37.7592, 40.8832,
29.9936

■ 5.6510, 6.2742,
3.1147

■ 52.6617, 56.8480,
43.5645

■ 2.6727, 3.0125,
1.1535

■ 71.0451, 76.5066,
60.7129

■ 0.9831, 1.1383,
0.0000

■ 93.2748, 100.2434,
81.8574

■ 0.0000, 0.0104,
0.0000

■ 119.7161,
128.4428, 107.4166

■ 0.0000, 0.0000,
0.0000

150.7344,

161.4892, 137.8090

186.6950,
199.7669, 173.4530

■ 16.9354, 18.4975,
11.9103

■ 16.9354, 18.4975,
11.9103

■ 16.2603, 17.9061,
9.3461

■ 17.7038, 19.1333,
14.9442

■ 15.6726, 17.3547,
7.2265

■ 18.5684, 19.8126,
18.4687

■ 15.1678, 16.8421,
5.5260

■ 19.5335, 20.5380,
22.5051

■ 14.7405, 16.3661,
4.2159

■ 20.6030, 21.3109,
27.0728

■ 14.3844, 15.9243,
3.2638

■ 21.7803, 22.1328,
32.1904

■ 14.0925, 15.5137,
2.6325

■ 23.0688, 23.0050,
37.8756

■ 13.8424, 15.1254,
2.2043

■ 24.4718, 23.9290,
44.1451

■ 13.8325, 15.1100,
2.1875

■ 25.9922, 24.9058,
51.0152

■ 27.6331, 25.9368,
58.5013

Harmonies

Analogous

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



18.7338, 18.4975, 12.1685



16.9354, 18.4975, 11.9103



15.4159, 18.4975, 13.5568

Triad

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



16.9354, 18.4975, 11.9103



15.1001, 18.4975, 27.3344



21.0492, 18.4975, 23.5474

Complementary

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



16.9354, 18.4975, 11.9103



11.6405, 11.3838, 20.9860

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.



19.9405, 18.4975, 28.5711



16.9354, 18.4975, 11.9103



16.4771, 18.4975, 31.0016

Square

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



16.9354, 18.4975, 11.9103



14.4054, 18.4975, 22.0723



18.2435, 18.4975, 31.4892



21.1928, 18.4975, 18.3251

Rectangle

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



16.9354, 18.4975, 11.9103



14.7340, 18.4975, 15.7084



18.2435, 18.4975, 31.4892



20.7737, 18.4975, 25.3368

Sweetspot

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



16.9359, 18.4983, 11.9107



33.3139, 35.5274, 33.3316



13.9476, 12.1398, 12.0924



7.5323, 8.0463, 7.3943



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.



16.9359, 18.4983, 11.9107



29.4322, 32.3472, 17.9087



15.7837, 18.8200, 12.0335



4.6174, 4.9235, 4.6271



14.4332, 15.7628, 2.2818



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.6405, 11.3838, 20.9860



18.2264, 17.2945, 37.1219



12.5528, 11.2242, 20.9071



4.1521, 4.2982, 5.4241



4.0673, 1.9531, 20.4126



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9354, 18.4975, 11.9103 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 16.9354, 18.4975, 11.9103 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

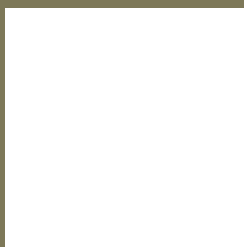
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9354, 18.4975, 11.9103

Background



This preview shows how black text looks on a background with the XYZ color 16.9354, 18.4975, 11.9103.



This preview shows how white text looks on a background with the XYZ color 16.9354, 18.4975,

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

16.9354, 18.4975, 11.9103

Protanopia

17.2604, 18.4874, 11.8912

Deuteranopia

18.8050, 18.4186, 12.0152



Tritanopia

18.8221, 18.3838, 21.6252

Trichromacy



Original Color

16.9354, 18.4975, 11.9103

Protanomaly

17.1107, 18.4103, 11.8842

Deuteranomaly

18.0402, 18.3629, 12.0448

Tritanomaly

18.1326, 18.4595, 17.6463

Monochromacy



Original Color

16.9354, 18.4975, 11.9103

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 16.9354, 18.4975, 11.9103 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(125, 120, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 120, 88) }
```

Border

The CSS property to change the border of an element to XYZ 16.9354, 18.4975, 11.9103 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, 88) }
```


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

```
.border{ border-color:rgb(125, 120, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 120, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 120, 88);  
box-shadow:4px 4px 4px 4px rgb(125, 120,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9354, 18.4975, 11.9103 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, 88) }
```

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

```
.background{ background-color: rgb(125,  
120, 88) }
```

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