

Converting Colors

XYZ(11.4806, 15.8684, 9.4290)

Have a look what the booklet for
XYZ(11.4806, 15.8684, 9.4290)
contains.

XYZ(11.4852, 15.9160, 9.4879)	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(11.4852, 15.9160,
9.4879)**

Conversions

Conversions Part 1

Format	Color
Hex	50794D
RGB	80, 121, 77
RGB Percent	31%, 47%, 30%
CMY	0.6863, 0.5255, 0.6980
CMYK	0.34, 0.00, 0.36, 0.53
HSL	116°, 22%, 39%
HSV	116°, 36%, 47%
XYZ	11.4852, 15.9160, 9.4879
YIQ	103.7250, -10.3120, -22.3760

Conversions

Conversions Part 2

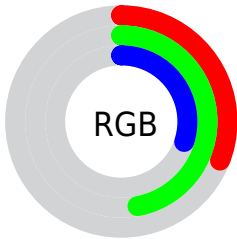
Format	Color
RYB	77, 121, 118
Decimal	5273933
CIELab	46.86, -23.77, 19.72
CIElCh	47, 30.886, 140.326
Yxy	15.9160, 0.3113, 0.4315
Android (android.graphics.Color)	4283464013 (0xFF50794D)
YUV	103.7250, -13.1754, -20.8068
Hunter-Lab	39.8949, -18.4282, 13.8259

Details

The XYZ color **11.4852, 15.9160, 9.4879** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.5768, 10.5402, 19.4088**, and the grayscale version is **13.1210, 13.8043, 15.0329**.

A 20% lighter version of the original color is **28.2620, 36.6038, 25.3143**, and **3.1737, 5.0461, 2.1732** is the 20% darker color. If you saturate the color by 10%, you get **10.2238, 15.3110, 7.4025**, and if you desaturate by 10%, it is **12.9868, 16.6365, 12.0002**.

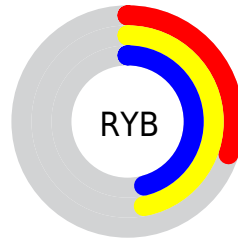
Distribution



Red (31%)

Green (47%)

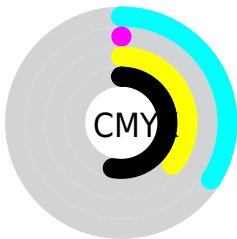
Blue (30%)



Red (30%)

Yellow (47%)

Blue (46%)

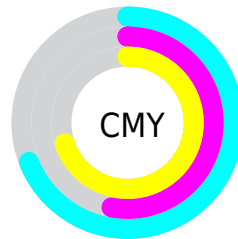


Cyan (34%)

Magenta (0%)

Yellow (36%)

Black (53%)



Cyan (69%)

Magenta (53%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4852, 15.9160, 9.4879 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 11.4852, 15.9160, 9.4879 by changing the saturation by 10% instead.

■ 11.4852, 15.9160,
9.4879

■ 11.4852, 15.9160,
9.4879

194.8071,
228.8455, 197.3272

■ 6.4639, 9.4647,
4.9596

■ 28.1790, 36.4523,
25.4203

■ 3.1725, 5.0455,
2.1653

■ 40.5822, 51.3062,
37.6615

■ 1.2456, 2.2740,
0.6542

■ 56.1768, 69.7296,
53.3108

■ 0.1419, 0.7599,
0.0000

■ 75.3280, 92.1072,
72.7867

■ 0.0000, 0.0000,
0.0000

■ 98.4013, 118.8231,
96.5078

125.7620,

150.2619, 124.8925

157.7755,
186.8079, 158.3594

■ 11.4852, 15.9160,
9.4879

■ 11.4852, 15.9160,
9.4879

■ 10.2238, 15.3110,
7.4025

■ 12.9868, 16.6365,
12.0002

■ 9.1888, 14.8137,
5.7192

■ 14.7387, 17.4760,
14.9602

■ 8.3673, 14.4183,
4.4125


■ 16.7522, 18.4402,
18.3884


■ 7.7443, 14.1176,
3.4535


■ 19.0374, 19.5339,
22.3040


■ 7.3028, 13.9039,
2.8088

■ 21.6039, 20.7618,
26.7250


 7.0183, 13.7657,
2.4135

 24.4607, 22.1281,
31.6686

 6.9409, 13.7286,
2.2841

 27.6166, 23.6369,
37.1509

 31.0800, 25.2923,
43.1876

 34.8587, 27.0981,
49.7936

Harmonies

Analogous

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



13.4010, 15.9160, 6.8189



11.4852, 15.9160, 9.4879



10.5798, 15.9160, 14.9575

Triad

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



11.4852, 15.9160, 9.4879



14.2749, 15.9160, 36.4209



20.5155, 15.9160, 12.6763

Complementary

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



11.4852, 15.9160, 9.4879



13.5768, 10.5402, 19.4088

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.



20.8216, 15.9160, 19.9406



11.4852, 15.9160, 9.4879



16.9966, 15.9160, 35.2655

Square

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



11.4852, 15.9160, 9.4879



12.0596, 15.9160, 31.4166



19.4688, 15.9160, 28.6132



18.6764, 15.9160, 8.2450

Rectangle

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



11.4852, 15.9160, 9.4879



10.5878, 15.9160, 20.1233



19.4688, 15.9160, 28.6132



20.8089, 15.9160, 14.8077

Sweetspot

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



11.4856, 15.9167, 9.4883



28.1673, 32.1438, 29.8057



15.6255, 17.4019, 9.5567



6.3548, 7.3087, 6.6692



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.



11.4856, 15.9167, 9.4883



18.5701, 27.5431, 13.6870



11.9791, 16.0855, 13.3799



3.9739, 4.4618, 4.2763



7.4339, 14.7095, 2.4474



35.1869, 70.0249, 11.6616

Inverse Universe

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



13.5768, 10.5402, 19.4088



22.9185, 16.3470, 34.3402



12.9710, 10.3457, 14.0582



4.1288, 4.0643, 5.0101



10.9584, 5.2220, 19.8157



51.9818, 24.7596, 94.5091

Previews

White Background



This preview shows how the XYZ color 11.4852, 15.9160, 9.4879 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 11.4852, 15.9160, 9.4879 looks on a black 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

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

XYZ 11.4852, 15.9160, 9.4879

Background



This preview shows how black text looks on a background with the XYZ color 11.4852, 15.9160, 9.4879.



This preview shows how white text looks on a background with the XYZ color 11.4852, 15.9160,

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

11.4852, 15.9160, 9.4879

Protanopia

14.6328, 15.8430, 8.5901

Deuteranopia

15.9621, 15.7125, 9.7809



Tritanopia

13.8886, 15.8406, 21.3943

Trichromacy



Original Color

11.4852, 15.9160, 9.4879

Protanomaly

13.1925, 15.7591, 8.8251

Deuteranomaly

13.7778, 15.3781, 9.6392

Tritanomaly

12.8529, 15.7625, 16.2750

Monochromacy



Original Color

11.4852, 15.9160, 9.4879

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.3156, 14.3929, 12.7187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4852, 15.9160, 9.4879 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(80, 121, 77)` looks like.

```
.text, #text, p{  
    color:rgb(80, 121, 77)  
}
```

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(80, 121, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 121, 77) }
```

Border

The CSS property to change the border of an element to XYZ 11.4852, 15.9160, 9.4879 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(80, 121, 77) }
```


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

```
.border{ border-color:rgb(80, 121, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 121, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 121, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 121, 77);  
box-shadow:4px 4px 4px 4px rgb(80, 121,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4852, 15.9160, 9.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 121, 77) }
```

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

```
.background{ background-color: rgb(80, 121,  
77) }
```

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