

Converting Colors

XYZ(11.6629, 15.8876, 12.7857)

Have a look what the booklet for
XYZ(11.6629, 15.8876, 12.7857)
contains.

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Color

**XYZ(11.7148, 15.9609,
12.8193)**

Conversions

Conversions Part 1

Format	Color
Hex	4B795D
RGB	75, 121, 93
RGB Percent	29%, 47%, 36%
CMY	0.7059, 0.5255, 0.6353
CMYK	0.38, 0.00, 0.23, 0.53
HSL	143°, 23%, 38%
HSV	143°, 38%, 47%
XYZ	11.7148, 15.9609, 12.8193
YIQ	104.0540, -18.4280, -18.4600

Conversions

Conversions Part 2

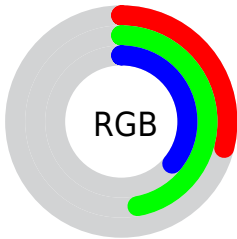
Format	Color
RYB	75, 108, 121
Decimal	4946269
CIELab	46.92, -22.39, 10.46
CIELCh	47, 24.715, 154.951
Yxy	15.9609, 0.2893, 0.3941
Android (android.graphics.Color)	4283136349 (0xFF4B795D)
YUV	104.0540, -5.4496, -25.4804
Hunter-Lab	39.9511, -17.5731, 8.9411

Details

The XYZ color **11.7148, 15.9609, 12.8193** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.8499, 10.0767, 14.1002**, and the grayscale version is **13.1905, 13.8775, 15.1126**.

A 20% lighter version of the original color is **28.6982, 36.6909, 31.5561**, and **3.2824, 5.0730, 3.4955** is the 20% darker color. If you saturate the color by 10%, you get **10.5463, 15.3949, 11.1430**, and if you desaturate by 10%, it is **13.0956, 16.6337, 14.6703**.

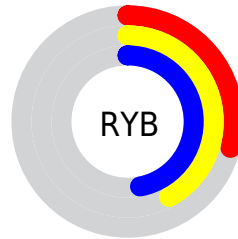
Distribution



Red (29%)

Green (47%)

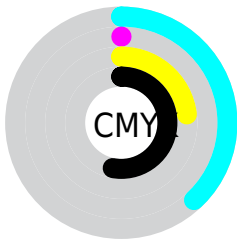
Blue (36%)



Red (29%)

Yellow (42%)

Blue (47%)

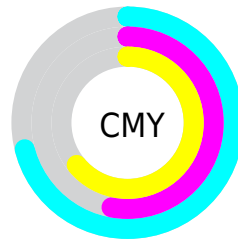


Cyan (38%)

Magenta (0%)

Yellow (23%)

Black (53%)



Cyan (71%)

Magenta (53%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7148, 15.9609, 12.8193 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 11.7148, 15.9609, 12.8193 by changing the saturation by 10% instead.

■ 11.7148, 15.9609,
12.8193

■ 11.7148, 15.9609,
12.8193

196.3167,
229.1109, 220.9233

■ 6.6206, 9.4965,
7.1750

■ 28.5960, 36.5303,
31.6652

■ 3.2702, 5.0664,
3.4917

■ 41.1137, 51.4041,
45.7038

■ 1.2982, 2.2863,
1.3508

■ 56.8366, 69.8498,
63.3776

■ 0.1819, 0.7664,
0.1029

■ 76.1300, 92.2518,
85.1052

■ 0.0000, 0.0000,
0.0000

■ 99.3594, 118.9945,
111.3050

126.8901,

150.4624, 142.3956

159.0874,
187.0397, 178.7955

■ 11.7148, 15.9609,
12.8193

■ 11.7148, 15.9609,
12.8193

■ 10.5463, 15.3949,
11.1430

■ 13.0956, 16.6337,
14.6703

■ 9.5777, 14.9279,
9.6352

■ 14.6978, 17.4164,
16.6998

■ 8.7973, 14.5545,
8.2909

■ 16.5314, 18.3145,
18.9129

■ 8.1915, 14.2679,
7.1043

■ 18.6053, 19.3326,
21.3141

■ 7.7447, 14.0600,
6.0694

■ 20.9281, 20.4751,
23.9078

■ 7.4181, 13.9110,
5.1787

■ 23.5079, 21.7459,
26.6982

■ 7.3578, 13.8834,
5.0183

■ 26.3524, 23.1491,
29.6895

■ 29.4690, 24.6882,
32.8855

■ 32.8648, 26.3670,
36.2902

Harmonies

Analogous

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



12.9164, 15.9609, 9.3481



11.7148, 15.9609, 12.8193



11.4023, 15.9609, 18.4240

Triad

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



11.7148, 15.9609, 12.8193



15.5311, 15.9609, 32.1008



18.8299, 15.9609, 11.4238

Complementary

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



11.7148, 15.9609, 12.8193



12.8499, 10.0767, 14.1002

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.



19.6886, 15.9609, 16.3737



11.7148, 15.9609, 12.8193



17.6724, 15.9609, 29.0450

Square

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



11.7148, 15.9609, 12.8193



13.4813, 15.9609, 30.5126



19.2463, 15.9609, 22.9083



16.9949, 15.9609, 8.6864

Rectangle

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



11.7148, 15.9609, 12.8193



11.7123, 15.9609, 22.8860



19.2463, 15.9609, 22.9083



19.2498, 15.9609, 12.8344

Sweetspot

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



11.7152, 15.9616, 12.8197



28.4859, 32.2479, 32.5388



13.7436, 17.0887, 9.2309



6.4336, 7.3344, 7.3443



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.



11.7152, 15.9616, 12.8197



19.0520, 27.6478, 20.2018



12.8706, 16.4237, 18.9038



4.0098, 4.4735, 4.5854



7.8794, 14.8754, 5.3499



37.1937, 70.8005, 23.4558

Inverse Universe

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



12.8499, 10.0767, 14.1002



21.4035, 15.4374, 22.8451



11.8632, 9.6820, 8.9044



4.0912, 4.0522, 4.6778



9.7566, 4.8788, 7.2754



46.1130, 23.1016, 32.4549

Previews

White Background



This preview shows how the XYZ color 11.7148, 15.9609, 12.8193 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 11.7148, 15.9609, 12.8193 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 11.7148, 15.9609, 12.8193

Background



This preview shows how black text looks on a background with the XYZ color 11.7148, 15.9609, 12.8193.



This preview shows how white text looks on a background with the XYZ color 11.7148, 15.9609,

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

11.7148, 15.9609, 12.8193

Protanopia

14.9171, 15.9250, 11.5201

Deuteranopia

16.1214, 15.8719, 13.2802



Tritanopia

13.6069, 16.0228, 22.1142

Trichromacy



Original Color

11.7148, 15.9609, 12.8193

Protanomaly

13.4557, 15.8244, 12.0181

Deuteranomaly

14.0441, 15.6027, 13.0979

Tritanomaly

12.7401, 15.8340, 18.3044

Monochromacy



Original Color

11.7148, 15.9609, 12.8193

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.3904, 14.3991, 14.1829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7148, 15.9609, 12.8193 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(75, 121, 93)` looks like.

```
.text, #text, p{  
    color:rgb(75, 121, 93)  
}
```

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(75, 121, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 121, 93) }
```

Border

The CSS property to change the border of an element to XYZ 11.7148, 15.9609, 12.8193 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(75, 121, 93) }
```


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

```
.border{ border-color:rgb(75, 121, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 121, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 121, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 121, 93);  
box-shadow:4px 4px 4px 4px rgb(75, 121,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7148, 15.9609, 12.8193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 121, 93) }
```

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

```
.background{ background-color: rgb(75, 121,  
93) }
```

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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