

Converting Colors

XYZ(11.8138, 15.6291, 19.9112)

Have a look what the booklet for
XYZ(11.8138, 15.6291, 19.9112)
contains.

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Color

**XYZ(11.8499, 15.6947,
19.8576)**

Conversions

Conversions Part 1

Format	Color
Hex	3B7877
RGB	59, 120, 119
RGB Percent	23%, 47%, 47%
CMY	0.7686, 0.5294, 0.5333
CMYK	0.51, 0.00, 0.01, 0.53
HSL	179°, 34%, 35%
HSV	179°, 51%, 47%
XYZ	11.8499, 15.6947, 19.8576
YIQ	101.6470, -36.0350, -13.2430

Conversions

Conversions Part 2

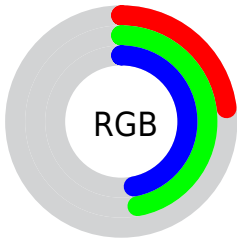
Format	Color
RYB	59, 90, 120
Decimal	3897463
CIELab	46.57, -19.92, -5.54
CIELCh	47, 20.677, 195.533
Yxy	15.6947, 0.2500, 0.3311
Android (android.graphics.Color)	4282087543 (0xFF3B7877)
YUV	101.6470, 8.5550, -37.4014
Hunter-Lab	39.6165, -15.9369, -1.9873




Details

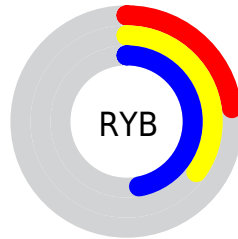
The XYZ color **11.8499, 15.6947, 19.8576** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1259, 7.4477, 5.1794**, and the grayscale version is **12.5229, 13.1750, 14.3476**.




A 20% lighter version of the original color is **28.9763, 36.2722, 44.0021**, and **3.3906, 4.9614, 6.7402** is the 20% darker color. If you saturate the color by 10%, you get **11.2072, 15.3651, 19.7662**, and if you desaturate by 10%, it is **12.6572, 16.1099, 19.9576**.

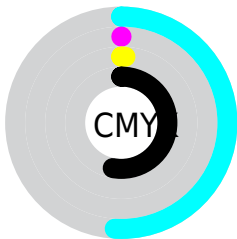
Distribution







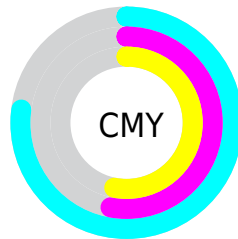
-  Red (23%)
-  Green (47%)
-  Blue (47%)






-  Red (23%)
-  Yellow (35%)
-  Blue (47%)



-  Cyan (51%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (53%)



-  Cyan (77%)
-  Magenta (53%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8499, 15.6947, 19.8576 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 11.8499, 15.6947, 19.8576 by changing the saturation by 10% instead.

■ 11.8499, 15.6947,
19.8576

■ 11.8499, 15.6947,
19.8576

■ 197.1993,
227.5334, 263.7219

■ 6.7130, 9.3084,
12.1085

■ 28.8407, 36.0674,
44.0341

■ 3.3280, 4.9429,
6.6942

■ 41.4253, 50.8225,
61.2987

■ 1.3295, 2.2138,
3.1961

■ 57.2232, 69.1360,
82.5721

■ 0.2051, 0.7275,
1.1956

■ 76.5997, 91.3924,
108.2730

■ 0.0000, 0.0000,
0.0000

■ 99.9202, 117.9759,
138.8199

■ 127.5501,

149.2709, 174.6313

159.8547,
185.6620, 216.1258

■ 11.8499, 15.6947,
19.8576

■ 11.8499, 15.6947,
19.8576

■ 11.2072, 15.3651,
19.7662

■ 12.6572, 16.1099,
19.9576

■ 10.7162, 15.1133,
19.6816

■ 13.6378, 16.6141,
20.0654

■ 10.3646, 14.9334,
19.6037

■ 14.8019, 17.2127,
20.1820

■ 10.1375, 14.8177,
19.5318

■ 16.1579, 17.9105,
20.3076

■ 9.9887, 14.7423,
19.4687

■ 17.7143, 18.7114,
20.4428

■ 19.4787, 19.6196,
20.5879

■ 21.4585, 20.6388,
20.7431

■ 23.6605, 21.7726,
20.9089

■ 26.0914, 23.0244,
21.0855

Harmonies

Analogous

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



11.8357, 15.6947, 14.7499



11.8499, 15.6947, 19.8576



12.6408, 15.6947, 25.1041

Triad

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



11.8499, 15.6947, 19.8576



17.5022, 15.6947, 24.9373



15.7910, 15.6947, 9.2310

Complementary

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



11.8499, 15.6947, 19.8576



10.1259, 7.4477, 5.1794

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.



17.4521, 15.6947, 10.9920



11.8499, 15.6947, 19.8576



18.4922, 15.6947, 19.6629

Square

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



11.8499, 15.6947, 19.8576



15.8551, 15.6947, 28.4116



18.4731, 15.6947, 14.5902



14.0173, 15.6947, 9.2625

Rectangle

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



11.8499, 15.6947, 19.8576



13.5410, 15.6947, 27.6833



18.4731, 15.6947, 14.5902



16.3839, 15.6947, 9.6148

Sweetspot

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



11.8504, 15.6953, 19.8580



27.2933, 30.9214, 35.6138



9.3709, 14.7105, 6.4836



6.3723, 7.2787, 8.4312



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.



11.8504, 15.6953, 19.8580



19.5491, 26.9405, 34.7382



8.8942, 9.6862, 19.1709



4.1044, 4.5114, 5.0834



10.8961, 16.0821, 21.2356



51.9427, 76.7001, 101.1229

Inverse Universe

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



10.1259, 7.4477, 5.1794



16.1499, 10.6751, 5.7988



12.0653, 11.3685, 5.6965



4.0007, 4.0160, 4.2015



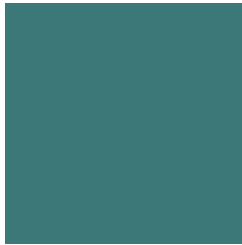
8.4614, 4.3607, 0.4546



40.3308, 20.7886, 2.0059

Previews

White Background



This preview shows how the XYZ color 11.8499, 15.6947, 19.8576 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 11.8499, 15.6947, 19.8576 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 11.8499, 15.6947, 19.8576

Background



This preview shows how black text looks on a background with the XYZ color 11.8499, 15.6947, 19.8576.



This preview shows how white text looks on a background with the XYZ color 11.8499, 15.6947,

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

11.8499, 15.6947, 19.8576

Protanopia

15.0048, 15.5090, 17.8255

Deuteranopia

15.8408, 15.5654, 20.5819



Tritanopia

12.4797, 15.7763, 22.8095

Trichromacy



Original Color

11.8499, 15.6947, 19.8576

Protanomaly

13.4133, 15.3234, 18.4704

Deuteranomaly

13.9647, 15.4017, 20.3260

Tritanomaly

12.2230, 15.6664, 21.7817

Monochromacy



Original Color

11.8499, 15.6947, 19.8576

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0132, 13.9984, 16.2562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8499, 15.6947, 19.8576 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(59, 120, 119)` looks like.

```
.text, #text, p{  
    color:rgb(59, 120, 119)  
}
```

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(59, 120, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 120, 119) }
```

Border

The CSS property to change the border of an element to XYZ 11.8499, 15.6947, 19.8576 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(59, 120, 119) }
```


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

```
.border{ border-color:rgb(59, 120, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 120, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 120, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 120, 119);  
box-shadow:4px 4px 4px 4px rgb(59, 120,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8499, 15.6947, 19.8576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 120, 119) }
```

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

```
.background{ background-color: rgb(59, 120,  
119) }
```

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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