

Converting Colors

XYZ(12.1916, 15.7069, 19.2188)

Have a look what the booklet for
XYZ(12.1916, 15.7069, 19.2188)
contains.

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Color

**XYZ(12.1916, 15.7069,
19.2188)**

Conversions

Conversions Part 1

Format	Color
Hex	447775
RGB	68, 119, 117
RGB Percent	27%, 47%, 46%
CMY	0.7333, 0.5333, 0.5412
CMYK	0.43, 0.00, 0.02, 0.53
HSL	178°, 27%, 37%
HSV	178°, 43%, 47%
XYZ	12.1916, 15.7069, 19.2188
YIQ	103.5230, -29.7540, -11.4340

Conversions

Conversions Part 2

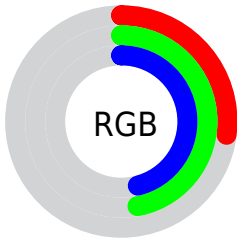
Format	Color
RYB	68, 94, 119
Decimal	4487029
CIELab	46.59, -17.61, -4.28
CIELCh	47, 18.126, 193.658
Yxy	15.7069, 0.2587, 0.3334
Android (android.graphics.Color)	4282677109 (0xFF447775)
YUV	103.5230, 6.6442, -31.1537
Hunter-Lab	39.6319, -14.4456, -1.0093

Details

The XYZ color **12.1916, 15.7069, 19.2188** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7809, 8.4989, 6.8672**, and the grayscale version is **13.0197, 13.6978, 14.9169**.

A 20% lighter version of the original color is **29.3321, 35.9123, 42.9219**, and **3.4613, 4.9115, 6.3958** is the 20% darker color. If you saturate the color by 10%, you get **11.4172, 15.3112, 19.0399**, and if you desaturate by 10%, it is **13.1356, 16.1907, 19.4070**.

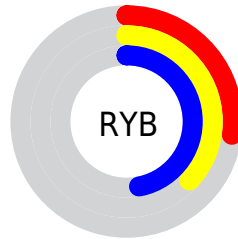
Distribution



Red (27%)

Green (47%)

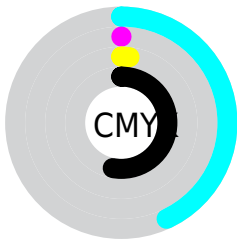
Blue (46%)



Red (27%)

Yellow (37%)

Blue (47%)

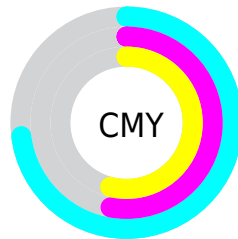


Cyan (43%)

Magenta (0%)

Yellow (2%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1916, 15.7069, 19.2188 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 12.1916, 15.7069, 19.2188 by changing the saturation by 10% instead.

■ 12.1916, 15.7069,
19.2188

■ 12.1916, 15.7069,
19.2188

199.4137,
227.6059, 260.1169

■ 6.9474, 9.3170,
11.6501

■ 29.4574, 36.0886,
42.9451

■ 3.4753, 4.9485,
6.3862

■ 42.2098, 50.8492,
59.9398

■ 1.4098, 2.2171,
3.0088

■ 58.1956, 69.1688,
80.9135

■ 0.2632, 0.7293,
1.0991

■ 77.7802, 91.4318,
106.2848

■ 0.0000, 0.0000,
0.0000

■ 101.3290,
118.0227, 136.4723

129.2072,

149.3257, 171.8944

161.7804,
185.7253, 212.9698

■ 12.1916, 15.7069,
19.2188

■ 12.1916, 15.7069,
19.2188

■ 11.4172, 15.3112,
19.0399

■ 13.1356, 16.1907,
19.4070

■ 10.8008, 14.9966,
18.8688

■ 14.2572, 16.7657,
19.6039

■ 10.3313, 14.7577,
18.7053

■ 15.5655, 17.4370,
19.8102

■ 9.9960, 14.5880,
18.5488

■ 17.0688, 18.2087,
20.0264

■ 9.7788, 14.4791,
18.3985

■ 18.7746, 19.0849,
20.2528

■ 9.6533, 14.4166,
18.2930

■ 20.6902, 20.0692,
20.4897

■ 22.8226, 21.1651,
20.7375

■ 25.1782, 22.3762,
20.9965

■ 27.7633, 23.7056,
21.2669

Harmonies

Analogous

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



12.2235, 15.7069, 14.7900



12.1916, 15.7069, 19.2188



12.8560, 15.7069, 23.7682

Triad

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



12.1916, 15.7069, 19.2188



17.1042, 15.7069, 24.1255



15.7918, 15.7069, 10.0936

Complementary

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



12.1916, 15.7069, 19.2188



10.7809, 8.4989, 6.8672

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.



17.2136, 15.7069, 11.8159



12.1916, 15.7069, 19.2188



18.0067, 15.7069, 19.6435

Square

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



12.1916, 15.7069, 19.2188



15.6508, 15.7069, 26.9178



18.0481, 15.7069, 15.1469



14.2296, 15.7069, 10.0203

Rectangle

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



12.1916, 15.7069, 19.2188



13.6331, 15.7069, 26.0462



18.0481, 15.7069, 15.1469



16.3044, 15.7069, 10.4832

Sweetspot

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



12.1921, 15.7075, 19.2192



27.7537, 31.1628, 35.4555



10.2063, 14.9342, 7.8139



6.4686, 7.3295, 8.3861



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.



12.1921, 15.7075, 19.2192



20.5144, 27.4530, 34.1117



9.9016, 10.9363, 19.0424



3.7774, 4.1529, 4.6617



10.2549, 15.3160, 19.4302



49.8968, 74.6060, 94.2825

Inverse Universe

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



10.7809, 8.4989, 6.8672



17.6464, 12.7917, 8.9996



12.3885, 11.8135, 7.0965



3.6892, 3.7030, 3.8903



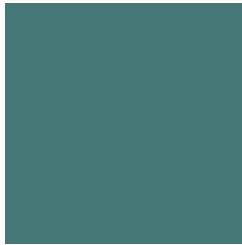
8.1091, 4.1774, 0.5168



39.4422, 20.3270, 2.1262

Previews

White Background



This preview shows how the XYZ color 12.1916, 15.7069, 19.2188 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 12.1916, 15.7069, 19.2188 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 12.1916, 15.7069, 19.2188

Background



This preview shows how black text looks on a background with the XYZ color 12.1916, 15.7069, 19.2188.



This preview shows how white text looks on a background with the XYZ color 12.1916, 15.7069,

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

12.1916, 15.7069, 19.2188

Protanopia

14.8934, 15.4645, 17.2389

Deuteranopia

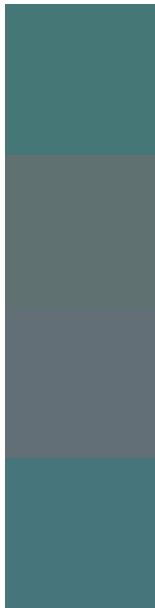
15.8503, 15.5845, 19.9420



Tritanopia

12.7906, 15.5945, 22.4146

Trichromacy



Original Color

12.1916, 15.7069, 19.2188

Protanomaly

13.6051, 15.4354, 17.8851

Deuteranomaly

14.1598, 15.3534, 19.6700

Tritanomaly

12.5794, 15.6890, 21.1042

Monochromacy



Original Color

12.1916, 15.7069, 19.2188

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5433, 14.2656, 16.5604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1916, 15.7069, 19.2188 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(68, 119, 117)` looks like.

```
.text, #text, p{  
    color:rgb(68, 119, 117)  
}
```

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(68, 119, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 119, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.1916, 15.7069, 19.2188 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(68, 119, 117) }
```


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

```
.border{ border-color:rgb(68, 119, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 119, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 119, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 119, 117);  
box-shadow:4px 4px 4px 4px rgb(68, 119,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1916, 15.7069, 19.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 119, 117) }
```

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

```
.background{ background-color: rgb(68, 119,  
117) }
```

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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