

Converting Colors

XYZ(12.9177, 15.9759, 16.0385)

Have a look what the booklet for
XYZ(12.9177, 15.9759, 16.0385)
contains.

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Color

**XYZ(12.9177, 15.9759,
16.0385)**

Conversions

Conversions Part 1

Format	Color
Hex	56766A
RGB	86, 118, 106
RGB Percent	34%, 46%, 42%
CMY	0.6627, 0.5372, 0.5843
CMYK	0.27, 0.00, 0.10, 0.54
HSL	157°, 16%, 40%
HSV	157°, 27%, 46%
XYZ	12.9177, 15.9759, 16.0385
YIQ	107.0640, -15.2200, -10.5160

Conversions

Conversions Part 2

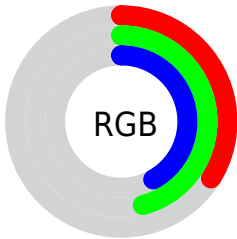
Format	Color
R_{YB}	86, 106, 118
Decimal	5666410
CIE Lab	46.94, -14.23, 2.90
CIE LCh	47, 14.527, 168.494
Yxy	15.9759, 0.2875, 0.3556
Android (android.graphics.Color)	4283856490 (0xFF56766A)
YUV	107.0640, -0.5246, -18.4731
Hunter-Lab	39.9699, -12.2586, 4.1879

Details

The XYZ color **12.9177, 15.9759, 16.0385** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0042, 11.3894, 13.0689**, and the grayscale version is **13.9976, 14.7266, 16.0373**.

A 20% lighter version of the original color is **30.6139, 36.4180, 37.3141**, and **3.8163, 5.1274, 4.9262** is the 20% darker color. If you saturate the color by 10%, you get **11.6955, 15.3722, 14.8110**, and if you desaturate by 10%, it is **14.3321, 16.6782, 17.3377**.

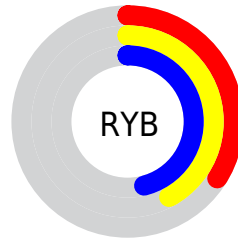
Distribution



Red (34%)

Green (46%)

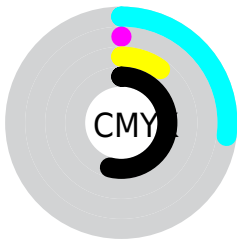
Blue (42%)



Red (34%)

Yellow (42%)

Blue (46%)

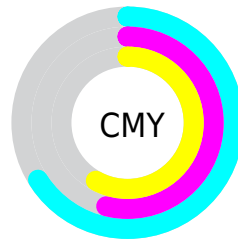


Cyan (27%)

Magenta (0%)

Yellow (10%)

Black (54%)



Cyan (66%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9177, 15.9759, 16.0385 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 12.9177, 15.9759, 16.0385 by changing the saturation by 10% instead.

■ 12.9177, 15.9759,
16.0385

■ 12.9177, 15.9759,
16.0385

204.0378,
229.1995, 241.4223

■ 7.4485, 9.5071,
9.3968

■ 30.7584, 36.5564,
37.4328

■ 3.7930, 5.0734,
4.9005

■ 43.8607, 51.4368,
53.0223

■ 1.5857, 2.2904,
2.1313

■ 60.2380, 69.8899,
72.4316

■ 0.3830, 0.7686,
0.6343

■ 80.2557, 92.3001,
96.0791

■ 0.0000, 0.0000,
0.0000

■ 104.2792,
119.0518, 124.3834

132.6738,

150.5293, 157.7630

165.8049,
187.1171, 196.6364

■ 12.9177, 15.9759,
16.0385

■ 12.9177, 15.9759,
16.0385

■ 11.6955, 15.3722,
14.8110

■ 14.3321, 16.6782,
17.3377

■ 10.6552, 14.8604,
13.6527

■ 15.9457, 17.4813,
18.7088

■ 9.7875, 14.4364,
12.5627

■ 17.7668, 18.3901,
20.1534

■ 9.0817, 14.0944,
11.5395

■ 19.8028, 19.4082,
21.6728

■ 8.5260, 13.8286,
10.5814

■ 22.0609, 20.5393,
23.2681

■ 8.1067, 13.6318,
9.6869

■ 24.5477, 21.7868,
24.9405

■ 7.7921, 13.4877,
8.8534

■ 27.2697, 23.1541,
26.6910

■ 7.7063, 13.4485,
8.6238

■ 30.2330, 24.6443,
28.5208

■ 33.4436, 26.2605,
30.4310

Harmonies

Analogous

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



13.4302, 15.9759, 13.1643



12.9177, 15.9759, 16.0385



12.9869, 15.9759, 19.7063

Triad

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



12.9177, 15.9759, 16.0385



15.9715, 15.9759, 24.8964



16.8591, 15.9759, 12.6706

Complementary

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



12.9177, 15.9759, 16.0385



13.0042, 11.3894, 13.0689

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.



17.6172, 15.9759, 15.2720



12.9177, 15.9759, 16.0385



17.0855, 15.9759, 22.4471

Square

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



12.9177, 15.9759, 16.0385



14.7033, 15.9759, 25.1773



17.7023, 15.9759, 18.8260



15.6764, 15.9759, 11.4085

Rectangle

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



12.9177, 15.9759, 16.0385



13.3544, 15.9759, 22.1154



17.7023, 15.9759, 18.8260



17.1748, 15.9759, 13.3992

Sweetspot

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



12.9181, 15.9766, 16.0389



27.7128, 30.5753, 32.6283



13.2245, 16.2410, 11.2422



6.2863, 6.9872, 7.4309



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9181, 15.9766, 16.0389



21.2363, 27.3602, 26.7397



13.1557, 15.3819, 19.4159



3.7278, 4.1331, 4.4007



8.3306, 14.5462, 9.2969



40.1705, 70.7155, 43.0646

Inverse Universe

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



13.0042, 11.3894, 13.0689



21.4171, 17.7670, 20.5332



12.7851, 11.7913, 10.4064



3.7355, 3.7215, 4.1339



8.5740, 4.3633, 2.9651



41.3964, 21.1087, 12.4165

Previews

White Background



This preview shows how the XYZ color 12.9177, 15.9759, 16.0385 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 12.9177, 15.9759, 16.0385 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

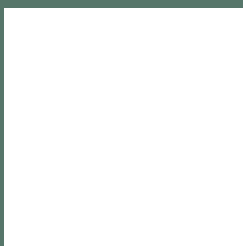
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9177, 15.9759, 16.0385

Background



This preview shows how black text looks on a background with the XYZ color 12.9177, 15.9759, 16.0385.



This preview shows how white text looks on a background with the XYZ color 12.9177, 15.9759,

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

12.9177, 15.9759, 16.0385

Protanopia

15.1529, 15.9730, 14.8548

Deuteranopia

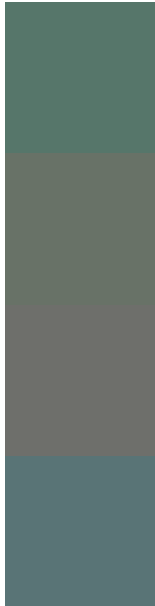
16.1328, 15.8091, 16.3885



Tritanopia

14.0489, 15.9158, 21.7336

Trichromacy



Original Color

12.9177, 15.9759, 16.0385

Protanomaly

14.1744, 15.9570, 15.1649

Deuteranomaly

14.7687, 15.7454, 16.1707

Tritanomaly

13.6352, 15.9226, 19.4943

Monochromacy



Original Color

12.9177, 15.9759, 16.0385

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4839, 15.0831, 16.1106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9177, 15.9759, 16.0385 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(86, 118, 106) looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 106)  
}
```

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(86, 118, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.9177, 15.9759, 16.0385 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(86, 118, 106) }
```


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

```
.border{ border-color:rgb(86, 118, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 118, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 118, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 118, 106);  
box-shadow:4px 4px 4px 4px rgb(86, 118,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9177, 15.9759, 16.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 106) }
```

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

```
.background{ background-color: rgb(86, 118,  
106) }
```

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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