

Converting Colors

XYZ(11.3653, 15.1712, 16.1661)

Have a look what the booklet for
XYZ(11.3653, 15.1712, 16.1661)
contains.

XYZ(11.3790, 15.1767, 16.2396)	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(11.3790, 15.1767,
16.2396)**

Conversions

Conversions Part 1

Format	Color
Hex	42766B
RGB	66, 118, 107
RGB Percent	26%, 46%, 42%
CMY	0.7412, 0.5372, 0.5804
CMYK	0.44, 0.00, 0.09, 0.54
HSL	167°, 28%, 36%
HSV	167°, 44%, 46%
XYZ	11.3790, 15.1767, 16.2396
YIQ	101.1980, -27.4610, -14.4450

Conversions

Conversions Part 2

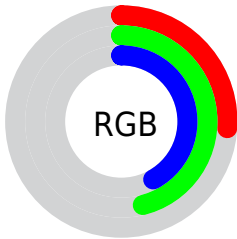
Format	Color
RYB	66, 95, 118
Decimal	4355691
CIELab	45.88, -20.27, 0.62
CIELCh	46, 20.284, 178.256
Yxy	15.1767, 0.2659, 0.3546
Android (android.graphics.Color)	4282545771 (0xFF42766B)
YUV	101.1980, 2.8604, -30.8686
Hunter-Lab	38.9573, -16.0373, 2.5547

Details

The XYZ color **11.3790, 15.1767, 16.2396** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7594, 8.2841, 8.0535**, and the grayscale version is **12.4190, 13.0658, 14.2286**.

A 20% lighter version of the original color is **27.8824, 35.0000, 37.6339**, and **3.1097, 4.6681, 5.0121** is the 20% darker color. If you saturate the color by 10%, you get **10.5352, 14.7571, 15.5246**, and if you desaturate by 10%, it is **12.3915, 15.6836, 16.9830**.

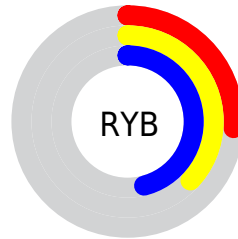
Distribution



Red (26%)

Green (46%)

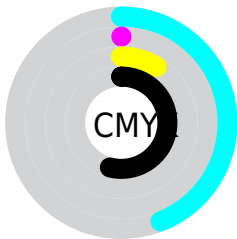
Blue (42%)



Red (26%)

Yellow (37%)

Blue (46%)

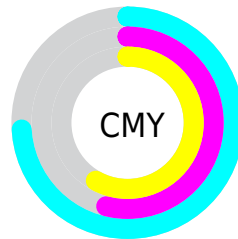


Cyan (44%)

Magenta (0%)

Yellow (9%)

Black (54%)



Cyan (74%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3790, 15.1767, 16.2396 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 11.3790, 15.1767, 16.2396 by changing the saturation by 10% instead.

■ 11.3790, 15.1767,
16.2396

■ 11.3790, 15.1767,
16.2396

194.1047,
224.4333, 242.6452

■ 6.3915, 8.9435,
9.5377

■ 27.9857, 35.1629,
37.7862

■ 3.1275, 4.7043,
4.9919

■ 40.3356, 49.6846,
53.4680

■ 1.2215, 2.0749,
2.1839

■ 55.8704, 67.7380,
72.9801

■ 0.1233, 0.6504,
0.6650

■ 74.9554, 89.7074,
96.7412

■ 0.0000, 0.0000,
0.0000

■ 97.9560, 115.9772,
125.1697

125.2375,

146.9319, 158.6842

157.1652,
182.9558, 197.7032

■ 11.3790, 15.1767,
16.2396

■ 11.3790, 15.1767,
16.2396

■ 10.5352, 14.7571,
15.5246

■ 12.3915, 15.6836,
16.9830

■ 9.8487, 14.4177,
14.8363

■ 13.5808, 16.2809,
17.7542

■ 9.3085, 14.1533,
14.1743

■ 14.9559, 16.9735,
18.5543

■ 8.9018, 13.9573,
13.5378

■ 16.5249, 17.7656,
19.3837

■ 8.6101, 13.8201,
12.9259

■ 18.2953, 18.6611,
20.2430

■ 8.4562, 13.7485,
12.5728

■ 20.2744, 19.6638,
21.1327

■ 22.4690, 20.7770,
22.0532

■ 24.8855, 22.0042,
23.0050

■ 27.5303, 23.3486,
23.9885

Harmonies

Analogous

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



11.8032, 15.1767, 12.0452



11.3790, 15.1767, 16.2396



11.7158, 15.1767, 21.4009

Triad

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



11.3790, 15.1767, 16.2396



16.0399, 15.1767, 26.2958



16.2268, 15.1767, 9.7352

Complementary

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



11.3790, 15.1767, 16.2396



10.7594, 8.2841, 8.0535

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.



17.5226, 15.1767, 12.4521



11.3790, 15.1767, 16.2396



17.4088, 15.1767, 21.9968

Square

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



11.3790, 15.1767, 16.2396



14.3251, 15.1767, 27.8504



17.9712, 15.1767, 16.8134



14.5254, 15.1767, 8.7804

Rectangle

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



11.3790, 15.1767, 16.2396



12.3427, 15.1767, 24.6027



17.9712, 15.1767, 16.8134



16.7292, 15.1767, 10.4425

Sweetspot

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



11.3794, 15.1773, 16.2399



26.4897, 29.9413, 32.7299



10.5443, 14.9398, 7.4822



5.9833, 6.8300, 7.4657



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.



11.3794, 15.1773, 16.2399



18.4899, 25.9299, 27.2651



10.3940, 12.2204, 18.9513



3.7517, 4.1426, 4.5265



9.1434, 14.8714, 13.5772



44.2361, 72.3417, 64.4738

Inverse Universe

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



10.7594, 8.2841, 8.0535



17.2543, 12.1178, 10.8952



11.3777, 10.0905, 6.5023



3.7127, 3.7124, 4.0141



8.2681, 4.2409, 1.3539



40.0281, 20.5614, 5.2114

Previews

White Background



This preview shows how the XYZ color 11.3790, 15.1767, 16.2396 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 11.3790, 15.1767, 16.2396 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 11.3790, 15.1767, 16.2396

Background



This preview shows how black text looks on a background with the XYZ color 11.3790, 15.1767, 16.2396.



This preview shows how white text looks on a background with the XYZ color 11.3790, 15.1767,

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

11.3790, 15.1767, 16.2396

Protanopia

14.3936, 15.1095, 14.4697

Deuteranopia

15.3373, 15.0805, 16.8543



Tritanopia

12.4309, 15.0817, 21.6579

Trichromacy



Original Color

11.3790, 15.1767, 16.2396

Protanomaly

12.9617, 15.0005, 15.0442

Deuteranomaly

13.4818, 14.9086, 16.6351

Tritanomaly

11.9696, 15.0640, 19.4163

Monochromacy



Original Color

11.3790, 15.1767, 16.2396

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7304, 13.5694, 14.8329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3790, 15.1767, 16.2396 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(66, 118, 107)` looks like.

```
.text, #text, p{  
    color:rgb(66, 118, 107)  
}
```

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(66, 118, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 118, 107) }
```

Border

The CSS property to change the border of an element to XYZ 11.3790, 15.1767, 16.2396 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(66, 118, 107) }
```


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

```
.border{ border-color:rgb(66, 118, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 118, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(66, 118,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3790, 15.1767, 16.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 118, 107) }
```

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

```
.background{ background-color: rgb(66, 118,  
107) }
```

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