

Converting Colors

XYZ(13.4606, 11.4607, 3.5544)

Have a look what the booklet for
XYZ(13.4606, 11.4607, 3.5544)
contains.

XYZ(13.4679, 11.4906, 3.5156)	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(13.4679, 11.4906,
3.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	875328
RGB	135, 83, 40
RGB Percent	53%, 33%, 16%
CMY	0.4706, 0.6745, 0.8431
CMYK	0.00, 0.39, 0.70, 0.47
HSL	27°, 54%, 34%
HSV	27°, 70%, 53%
XYZ	13.4679, 11.4906, 3.5156
YIQ	93.6460, 44.7950, -2.3490

Conversions

Conversions Part 2

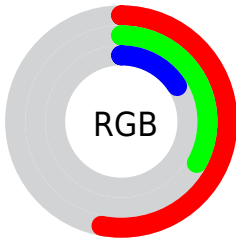
Format	Color
R_{YB}	135, 119, 40
Decimal	8868648
CIE Lab	40.39, 17.59, 33.55
CIE LCh	40, 37.878, 62.332
Yxy	11.4906, 0.4730, 0.4035
Android (android.graphics.Color)	4287058728 (0xFF875328)
YUV	93.6460, -26.4475, 36.2675
Hunter-Lab	33.8978, 11.5985, 17.5794

Details

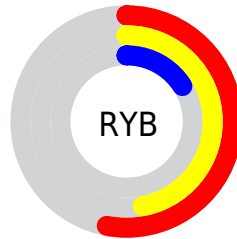
The XYZ color **13.4679, 11.4906, 3.5156** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0752, 9.8542, 24.3452**, and the grayscale version is **10.6090, 11.1615, 12.1549**.

A 20% lighter version of the original color is **31.8461, 28.6696, 12.8721**, and **4.0549, 3.0725, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **12.7417, 10.3437, 2.3319**, and if you desaturate by 10%, it is **14.3352, 12.7913, 5.1424**.

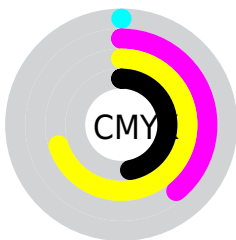
Distribution



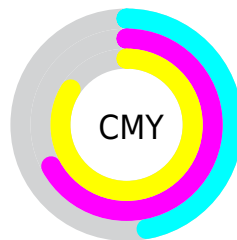
- Red (53%)
- Green (33%)
- Blue (16%)



- Red (53%)
- Yellow (47%)
- Blue (16%)



- Cyan (0%)
- Magenta (39%)
- Yellow (70%)
- Black (47%)



- Cyan (47%)
- Magenta (67%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4679, 11.4906, 3.5156 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 13.4679, 11.4906, 3.5156 by changing the saturation by 10% instead.

■ 13.4679, 11.4906,
3.5156

■ 13.4679, 11.4906,
3.5156

207.4725,
201.0031, 142.6787

■ 7.8307, 6.3978,
1.3636

■ 31.7361, 28.5639,
12.8762

■ 4.0377, 3.0885,
0.1130

■ 45.0978, 41.3132,
20.9219

■ 1.7235, 1.1781,
0.0000

■ 61.7651, 57.3834,
31.7691

■ 0.4709, 0.0437,
0.0000

■ 82.1033, 77.1591,
45.8366

■ 0.0000, 0.0000,
0.0000

■ 106.4778,
101.0245, 63.5427

■ 135.2540,

129.3640, 85.3061

168.7971,
162.5621, 111.5452

■ 13.4679, 11.4906,
3.5156

■ 13.4679, 11.4906,
3.5156

■ 12.7417, 10.3437,
2.3319

■ 14.3352, 12.7913,
5.1424

■ 12.1451, 9.3416,
1.5438

■ 15.3520, 14.2507,
7.2520

■ 11.6662, 8.5001,
1.0258

■ 16.5271, 15.8755,
9.8801

■ 17.8682, 17.6713,
13.0592

■ 19.3822, 19.6436,
16.8187

■ 21.0759, 21.7975,
21.1861

■ 22.9556, 24.1379,
26.1872

■ 25.0272, 26.6694,
31.8461

■ 27.2964, 29.3967,
38.1859

Harmonies

Analogous

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



15.8284, 11.4906, 6.2074



13.4679, 11.4906, 3.5156



10.7151, 11.4906, 2.8505

Triad

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



13.4679, 11.4906, 3.5156



6.5732, 11.4906, 13.1156



13.8858, 11.4906, 29.3792

Complementary

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



13.4679, 11.4906, 3.5156



9.0752, 9.8542, 24.3452

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.



11.1305, 11.4906, 33.5453



13.4679, 11.4906, 3.5156



7.1506, 11.4906, 22.0737

Square

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



13.4679, 11.4906, 3.5156



6.9951, 11.4906, 6.8758



8.7181, 11.4906, 30.4427



16.0959, 11.4906, 20.6032

Rectangle

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



13.4679, 11.4906, 3.5156



9.0942, 11.4906, 3.2745



8.7181, 11.4906, 30.4427



12.9785, 11.4906, 31.4955

Sweetspot

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



13.4682, 11.4912, 3.5158



34.3960, 34.7736, 29.3254



12.6932, 7.4456, 10.9509



7.8116, 7.8538, 6.4046



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.4682, 11.4912, 3.5158



22.2018, 17.5032, 3.3165



18.3905, 21.3358, 5.1566



4.8333, 5.0102, 4.9417



10.7709, 7.8643, 0.9503



0.0444, 0.0415, 0.0057

Inverse Universe

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



9.0752, 9.8542, 24.3452



13.7882, 14.3289, 43.0874



6.1772, 4.0583, 23.3792



4.6299, 4.9355, 5.9094



6.2974, 6.1425, 21.9904



0.0291, 0.0359, 0.0786

Previews

White Background



This preview shows how the XYZ color 13.4679, 11.4906, 3.5156 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 13.4679, 11.4906, 3.5156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

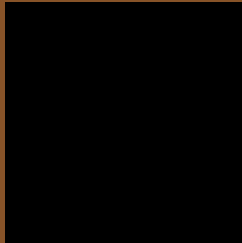
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4679, 11.4906, 3.5156

Background



This preview shows how black text looks on a background with the XYZ color 13.4679, 11.4906, 3.5156.



This preview shows how white text looks on a background with the XYZ color 13.4679, 11.4906,

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

13.4679, 11.4906, 3.5156

Protanopia

10.5814, 11.6118, 4.0665

Deuteranopia

11.6987, 11.5440, 3.4454



Tritanopia

14.8059, 11.4921, 9.8254

Trichromacy



Original Color

13.4679, 11.4906, 3.5156

Protanomaly

11.5132, 11.4385, 3.8865

Deuteranomaly

12.3134, 11.4859, 3.4875

Tritanomaly

14.2286, 11.4730, 6.9334

Monochromacy



Original Color

13.4679, 11.4906, 3.5156

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.1989, 11.0580, 8.0227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4679, 11.4906, 3.5156 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(135, 83, 40)` looks like.

```
.text, #text, p{  
    color:rgb(135, 83, 40)  
}
```

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(135, 83, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 83, 40) }
```

Border

The CSS property to change the border of an element to XYZ 13.4679, 11.4906, 3.5156 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(135, 83, 40) }
```


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

```
.border{ border-color:rgb(135, 83, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 83, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 83, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 83, 40);  
box-shadow:4px 4px 4px 4px rgb(135, 83,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4679, 11.4906, 3.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 83, 40) }
```

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

```
.background{ background-color: rgb(135, 83,  
40) }
```

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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