

Converting Colors

XYZ(13.5788, 11.8429, 1.5702)

Have a look what the booklet for
XYZ(13.5788, 11.8429, 1.5702)
contains.

XYZ(13.5650, 11.8154, 1.5656)	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(13.5650, 11.8154,
1.5656)**

Conversions

Conversions Part 1

Format	Color
Hex	895500
RGB	137, 85, 0
RGB Percent	54%, 33%, 0%
CMY	0.4627, 0.6666, 1.0000
CMYK	0.00, 0.38, 1.00, 0.46
HSL	37°, 100%, 27%
HSV	37°, 100%, 54%
XYZ	13.5650, 11.8154, 1.5656
YIQ	90.8580, 58.2770, -15.4110

Conversions

Conversions Part 2

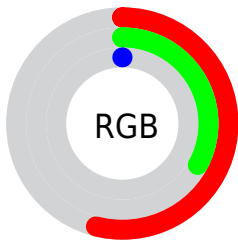
Format	Color
R_{YB}	84, 137, 0
Decimal	9000192
CIE _{Lab}	40.92, 15.94, 49.51
CIE _{LCh}	41, 52.011, 72.148
Yxy	11.8154, 0.5034, 0.4385
Android (android.graphics.Color)	4287190272 (0xFF895500)
YUV	90.8580, -44.7930, 40.4665
Hunter-Lab	34.3735, 10.2887, 21.3610

Details

The XYZ color **13.5650, 11.8154, 1.5656** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.7432, 4.2618, 24.1865**, and the grayscale version is **10.0013, 10.5222, 11.4586**.

A 20% lighter version of the original color is **31.9082, 29.2255, 7.8302**, and **4.1521, 3.2669, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **13.5652, 11.8159, 1.5657**, and if you desaturate by 10%, it is **14.0671, 12.6960, 2.1141**.

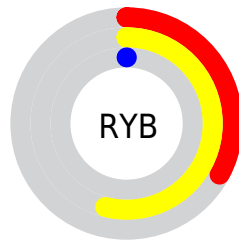
Distribution



Red (54%)

Green (33%)

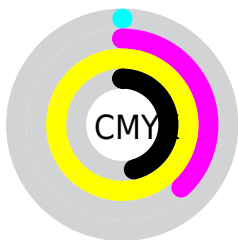
Blue (0%)



Red (33%)

Yellow (54%)

Blue (0%)

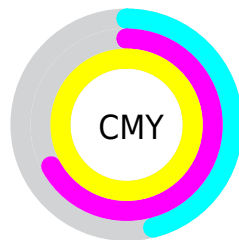


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5650, 11.8154, 1.5656 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 13.5650, 11.8154, 1.5656 by changing the saturation by 10% instead.


 13.5650, 11.8154,
1.5656


 13.5650, 11.8154,
1.5656


 208.0729,
203.1793, 115.2183


 7.8984, 6.6181,
0.2661


 31.9079, 29.1584,
7.8150


 4.0813, 3.2244,
0.0000

 45.3150, 42.0730,
13.7570


 1.7482, 1.2500,
0.0000

 62.0329, 58.3287,
22.1352

 0.4862, 0.1020,
0.0000


 82.4270, 78.3101,
33.3681


 0.0000, 0.0000,
0.0000


 106.8627,
102.4014, 47.8744


 135.7054,


130.9871, 66.0724


 169.3203,
164.4516, 88.3809


 13.5650, 11.8154,
1.5656


 13.5650, 11.8154,
1.5656


 13.5652, 11.8159,
1.5657

 14.0671, 12.6960,
2.1141

 14.6476, 13.6566,
2.9254

 15.3337, 14.7096,
4.1382

 16.1350, 15.8597,
5.8004

 17.0599, 17.1112,
7.9531

■ 18.1158, 18.4679,
10.6328

■ 19.3094, 19.9335,
13.8724

■ 20.6471, 21.5113,
17.7022

■ 22.1347, 23.2044,
22.1503

Harmonies

Analogous

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



17.4012, 11.8154, 3.4420



13.5650, 11.8154, 1.5656



9.7933, 11.8154, 1.4398

Triad

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



13.5650, 11.8154, 1.5656



5.5952, 11.8154, 17.6670



16.7368, 11.8154, 34.7689

Complementary

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



13.5650, 11.8154, 1.5656



5.7432, 4.2618, 24.1865

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.



12.8011, 11.8154, 45.0098



13.5650, 11.8154, 1.5656



6.7237, 11.8154, 32.0503

Square

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



13.5650, 11.8154, 1.5656



5.7116, 11.8154, 7.5581



9.1799, 11.8154, 43.8065



19.4922, 11.8154, 20.2093

Rectangle

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



13.5650, 11.8154, 1.5656



7.8425, 11.8154, 2.1555



9.1799, 11.8154, 43.8065



15.4752, 11.8154, 39.1158

Sweetspot

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



13.5653, 11.8160, 1.5658



34.4304, 35.5175, 24.4262



10.9480, 5.5710, 3.8086



7.5431, 7.7484, 4.9846



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.



13.5653, 11.8160, 1.5658



24.1326, 20.8394, 2.7505



16.8330, 21.9572, 3.3510



5.2742, 5.5313, 5.3421



12.6478, 11.0301, 1.4624



0.0982, 0.1016, 0.0144

Inverse Universe

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



5.7432, 4.2618, 24.1865



10.1380, 7.3381, 43.2652



4.7288, 1.9162, 23.7872



4.9201, 5.1831, 6.3470



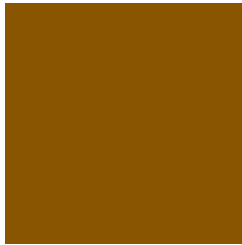
5.3606, 3.9916, 22.5336



0.0490, 0.0532, 0.1541

Previews

White Background



This preview shows how the XYZ color 13.5650, 11.8154, 1.5656 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 13.5650, 11.8154, 1.5656 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 13.5650, 11.8154, 1.5656

Background



This preview shows how black text looks on a background with the XYZ color 13.5650, 11.8154, 1.5656.



This preview shows how white text looks on a background with the XYZ color 13.5650, 11.8154,

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

13.5650, 11.8154, 1.5656

Protanopia

10.7599, 11.8863, 2.0143

Deuteranopia

11.9955, 11.8652, 1.6580



Tritanopia

15.2509, 11.8233, 10.0726

Trichromacy



Original Color

13.5650, 11.8154, 1.5656

Protanomaly

11.6930, 11.8349, 1.8404

Deuteranomaly

12.4745, 11.7340, 1.6074

Tritanomaly

14.2557, 11.6402, 4.9854

Monochromacy



Original Color

13.5650, 11.8154, 1.5656

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5204, 10.6384, 5.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5650, 11.8154, 1.5656 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(137, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 85, 0)  
}
```

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(137, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.5650, 11.8154, 1.5656 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(137, 85, 0) }
```


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

```
.border{ border-color:rgb(137, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5650, 11.8154, 1.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 85, 0) }
```

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

```
.background{ background-color: rgb(137, 85,  
0) }
```

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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