

Converting Colors

XYZ(16.7270, 11.9648, 1.6204)

Have a look what the booklet for
XYZ(16.7270, 11.9648, 1.6204)
contains.

XYZ(16.7888, 11.9954, 1.6315)	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(16.7888, 11.9954,
1.6315)**

Conversions

Conversions Part 1

Format	Color
Hex	A04707
RGB	160, 71, 7
RGB Percent	63%, 28%, 3%
CMY	0.3726, 0.7215, 0.9725
CMYK	0.00, 0.56, 0.96, 0.37
HSL	25°, 92%, 33%
HSV	25°, 96%, 63%
XYZ	16.7888, 11.9954, 1.6315
YIQ	90.3150, 73.5880, -1.0360

Conversions

Conversions Part 2

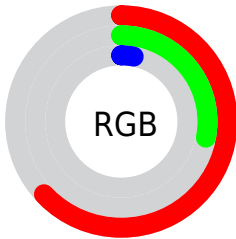
Format	Color
RYB	160, 117, 7
Decimal	10503943
CIELab	41.21, 33.95, 49.33
CIELCh	41, 59.884, 55.462
Yxy	11.9954, 0.5520, 0.3944
Android (android.graphics.Color)	4288694023 (0xFFA04707)
YUV	90.3150, -41.0743, 61.1137
Hunter-Lab	34.6344, 25.9166, 21.4511

Details

The XYZ color **16.7888, 11.9954, 1.6315** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.6154, 10.9485, 34.8112**, and the grayscale version is **9.8675, 10.3814, 11.3053**.

A 20% lighter version of the original color is **37.5939, 29.6175, 8.0103**, and **5.6537, 3.3405, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **16.5002, 11.4798, 1.3462**, and if you desaturate by 10%, it is **17.5434, 13.3186, 2.4569**.

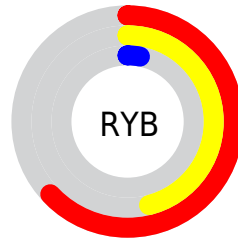
Distribution



Red (63%)

Green (28%)

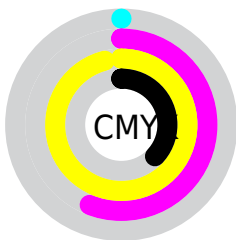
Blue (3%)



Red (63%)

Yellow (46%)

Blue (3%)

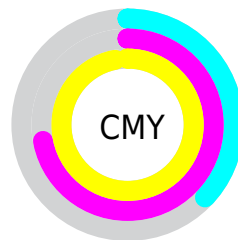


Cyan (0%)

Magenta (56%)

Yellow (96%)

Black (37%)



Cyan (37%)


Magenta (72%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7888, 11.9954, 1.6315 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 16.7888, 11.9954, 1.6315 by changing the saturation by 10% instead.

 16.7888, 11.9954,
1.6315


 16.7888, 11.9954,
1.6315


 227.1324,
204.3748, 116.3635


 10.1784, 6.7405,
0.3131


 37.5088, 29.4867,
8.0064


 5.5806, 3.3004,
0.0000


 52.3491, 42.4920,
14.0356

 2.6300, 1.2905,
0.0000

 70.6634, 58.8495,
22.5174

 0.9613, 0.1338,
0.0000


 92.8170, 78.9437,
33.8703


 0.0000, 0.0000,
0.0000


 119.1754,
103.1589, 48.5128


 150.1039,


131.8796, 66.8634


 185.9677,
165.4901, 89.3408


 16.7888, 11.9954,
1.6315


 16.7888, 11.9954,
1.6315


 16.5002, 11.4798,
1.3462

 17.5434, 13.3186,
2.4569

 18.4875, 14.8683,
3.8152

 19.6416, 16.6590,
5.7951

 21.0217, 18.7028,
8.4638

 22.6418, 21.0103,
11.8795

■ 24.5149, 23.5919,
16.0944

■ 26.6527, 26.4569,
21.1556

■ 29.0662, 29.6144,
27.1069

■ 31.7657, 33.0730,
33.9889

Harmonies

Analogous

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



20.6654, 11.9954, 5.2711



16.7888, 11.9954, 1.6315



12.0712, 11.9954, 0.7938

Triad

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



16.7888, 11.9954, 1.6315



4.9638, 11.9954, 11.2676



15.3580, 11.9954, 48.4638

Complementary

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



16.7888, 11.9954, 1.6315



10.6154, 10.9485, 34.8112

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.



10.7566, 11.9954, 54.0228



16.7888, 11.9954, 1.6315



5.4259, 11.9954, 26.1894

Square

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



16.7888, 11.9954, 1.6315



5.8364, 11.9954, 3.6835



7.3106, 11.9954, 44.0908



19.7036, 11.9954, 31.7234

Rectangle

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



16.7888, 11.9954, 1.6315



9.3271, 11.9954, 0.9321



7.3106, 11.9954, 44.0908



13.7621, 11.9954, 52.0219

Sweetspot

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



16.7891, 11.9961, 1.6317



46.8075, 45.9283, 34.6067



16.6960, 8.4747, 11.8828



9.9286, 9.6201, 6.7956



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.7891, 11.9961, 1.6317



29.7693, 20.4630, 2.3807



25.0081, 28.4341, 4.3714



6.8497, 7.0793, 6.9911



12.8952, 9.0260, 1.0625



0.2714, 0.2430, 0.0326

Inverse Universe

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



10.6154, 10.9485, 34.8112



18.4349, 18.4363, 62.9735



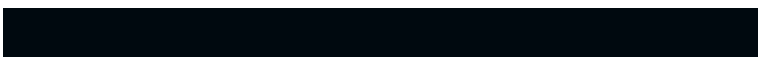
6.6786, 3.0749, 33.4990



6.5891, 7.0439, 8.4190



8.0409, 8.1733, 27.0610



0.1850, 0.2285, 0.4976

Previews

White Background



This preview shows how the XYZ color 16.7888, 11.9954, 1.6315 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 16.7888, 11.9954, 1.6315 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 16.7888, 11.9954, 1.6315

Background



This preview shows how black text looks on a background with the XYZ color 16.7888, 11.9954, 1.6315.



This preview shows how white text looks on a background with the XYZ color 16.7888, 11.9954,

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

16.7888, 11.9954, 1.6315

Protanopia

10.8993, 12.0908, 2.2896

Deuteranopia

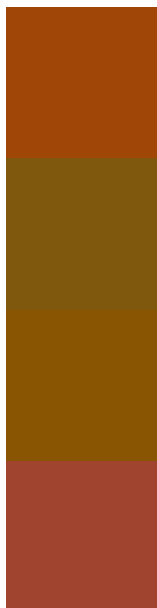
12.2265, 12.1138, 1.6938



Tritanopia

17.9540, 12.0200, 7.1682

Trichromacy



Original Color

16.7888, 11.9954, 1.6315

Protanomaly

12.4645, 11.5977, 1.9624

Deuteranomaly

13.5815, 11.8219, 1.6522

Tritanomaly

17.2782, 11.9165, 4.0788

Monochromacy



Original Color

16.7888, 11.9954, 1.6315

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.9791, 10.1576, 5.6569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7888, 11.9954, 1.6315 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(160, 71, 7)` looks like.

```
.text, #text, p{  
    color:rgb(160, 71, 7)  
}
```

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(160, 71, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 71, 7) }
```

Border

The CSS property to change the border of an element to XYZ 16.7888, 11.9954, 1.6315 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(160, 71, 7) }
```


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

```
.border{ border-color:rgb(160, 71, 7) }
```

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

Here you see how a box with a 4 pixel rgb(160, 71, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 71, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 71, 7);  
box-shadow:4px 4px 4px 4px rgb(160, 71, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7888, 11.9954, 1.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 71, 7) }
```

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

```
.background{ background-color: rgb(160, 71,  
7) }
```

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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