

Converting Colors

XYZ(11.9918, 11.8134, 3.8427)

Have a look what the booklet for
XYZ(11.9918, 11.8134, 3.8427)
contains.

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Color

**XYZ(11.9908, 11.8145,
3.8389)**

Conversions

Conversions Part 1

Format	Color
Hex	785C2A
RGB	120, 92, 42
RGB Percent	47%, 36%, 16%
CMY	0.5294, 0.6392, 0.8353
CMYK	0.00, 0.23, 0.65, 0.53
HSL	38°, 48%, 32%
HSV	38°, 65%, 47%
XYZ	11.9908, 11.8145, 3.8389
YIQ	94.6720, 32.7380, -9.6140

Conversions

Conversions Part 2

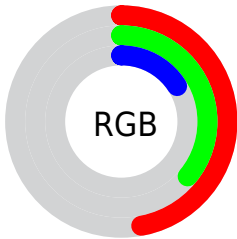
Format	Color
R_{YB}	86, 120, 42
Decimal	7887914
CIE Lab	40.92, 5.42, 32.56
CIE LCh	41, 33.005, 80.540
Yxy	11.8145, 0.4338, 0.4274
Android (android.graphics.Color)	4286077994 (0xFF785C2A)
YUV	94.6720, -25.9673, 22.2127
Hunter-Lab	34.3722, 2.1186, 17.4387

Details

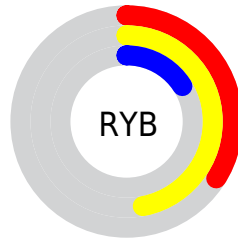
The XYZ color **11.9908, 11.8145, 3.8389** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.5351, 6.2284, 18.6270**, and the grayscale version is **10.8536, 11.4189, 12.4351**.

A 20% lighter version of the original color is **29.1554, 29.1812, 13.5471**, and **3.4312, 3.2192, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **11.4449, 11.0164, 2.7515**, and if you desaturate by 10%, it is **12.6229, 12.6819, 5.2727**.

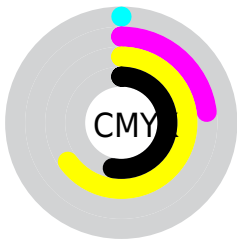
Distribution



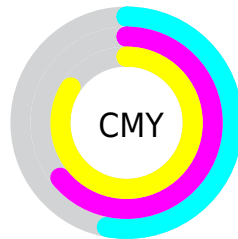
- Red (47%)
- Green (36%)
- Blue (16%)



- Red (34%)
- Yellow (47%)
- Blue (16%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (53%)





- Cyan (53%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9908, 11.8145, 3.8389 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 11.9908, 11.8145, 3.8389 by changing the saturation by 10% instead.


 11.9908, 11.8145,
3.8389


 11.9908, 11.8145,
3.8389


198.1155,
203.1733, 146.4176


 6.8096, 6.6175,
1.5374


 29.0953, 29.1568,
13.6365


 3.3886, 3.2241,
0.2455

 41.7494, 42.0709,
21.9696

 1.3624, 1.2498,
0.0000

 57.6251, 58.3261,
33.1504

 0.2292, 0.1018,
0.0000

 77.0877, 78.3069,
47.5973

 0.0000, 0.0000,
0.0000

 100.5028,
102.3976, 65.7290

 128.2355,

130.9827, 87.9639

160.6513,
164.4464, 114.7205

■ 11.9908, 11.8145,
3.8389

■ 11.9908, 11.8145,
3.8389

■ 11.4449, 11.0164,
2.7515

■ 12.6229, 12.6819,
5.2727

■ 10.9780, 10.2829,
1.9785

■ 13.3458, 13.6197,
7.0799

■ 10.5805, 9.6099,
1.4696

■ 14.1648, 14.6310,
9.2854

■ 10.3945, 9.2907,
1.2454

■ 15.0847, 15.7182,
11.9120

■ 16.1095, 16.8834,
14.9804

■ 17.2434, 18.1288,
18.5103

■ 18.4901, 19.4564,
22.5199

■ 19.8532, 20.8680,
27.0267

■ 21.3361, 22.3656,
32.0471

Harmonies

Analogous

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



14.3628, 11.8145, 5.2200



11.9908, 11.8145, 3.8389



9.7131, 11.8145, 4.1359

Triad

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



11.9908, 11.8145, 3.8389



7.4977, 11.8145, 17.9763



15.1043, 11.8145, 23.0015

Complementary

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



11.9908, 11.8145, 3.8389



6.5351, 6.2284, 18.6270

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.



12.8956, 11.8145, 29.2476



11.9908, 11.8145, 3.8389



8.5883, 11.8145, 25.7119

Square

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



11.9908, 11.8145, 3.8389



7.3260, 11.8145, 10.8465



10.5008, 11.8145, 30.3834



16.3191, 11.8145, 15.1174

Rectangle

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



11.9908, 11.8145, 3.8389



8.5337, 11.8145, 5.3066



10.5008, 11.8145, 30.3834



14.4400, 11.8145, 25.4633

Sweetspot

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



11.9911, 11.8151, 3.8391



27.5055, 28.7623, 23.8391



9.6983, 6.0989, 6.5603



6.4188, 6.7027, 5.3518



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.9911, 11.8151, 3.8391



19.7095, 18.7283, 4.1063



13.5152, 16.8895, 4.7383



4.1924, 4.4033, 4.2535



11.3262, 10.1083, 1.3541



53.1995, 46.5624, 6.1835

Inverse Universe

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



6.5351, 6.2284, 18.6270



9.3378, 8.1452, 32.3331



5.6551, 3.7528, 18.1956



3.9045, 4.1073, 5.0302



4.6311, 3.3447, 19.7868



21.3503, 14.4732, 94.1381

Previews

White Background



This preview shows how the XYZ color 11.9908, 11.8145, 3.8389 looks on a white background.

Color Contrast Check

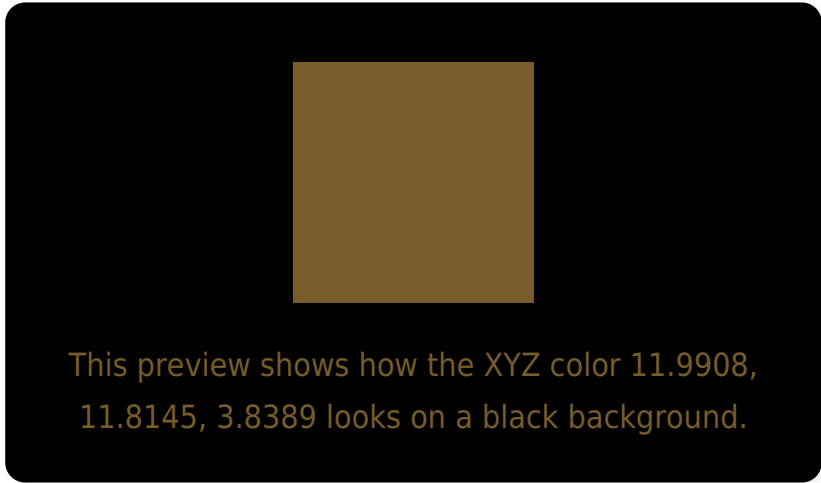
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

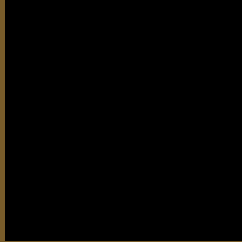
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9908, 11.8145, 3.8389

Background



This preview shows how black text looks on a background with the XYZ color 11.9908, 11.8145, 3.8389.



This preview shows how white text looks on a background with the XYZ color 11.9908, 11.8145,

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

11.9908, 11.8145, 3.8389

Protanopia

10.7741, 11.8496, 4.0048

Deuteranopia

11.9908, 11.8145, 3.8389



Tritanopia

13.6962, 11.8918, 11.9294

Trichromacy



Original Color

11.9908, 11.8145, 3.8389

Protanomaly

11.2103, 11.8036, 3.9730

Deuteranomaly

11.9908, 11.8145, 3.8389

Tritanomaly

12.9768, 11.8501, 8.0819

Monochromacy



Original Color

11.9908, 11.8145, 3.8389

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0161, 11.4703, 8.4708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9908, 11.8145, 3.8389 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(120, 92, 42)` looks like.

```
.text, #text, p{  
    color:rgb(120, 92, 42)  
}
```

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(120, 92, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 92, 42) }
```

Border

The CSS property to change the border of an element to XYZ 11.9908, 11.8145, 3.8389 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(120, 92, 42) }
```


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

```
.border{ border-color:rgb(120, 92, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 92, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 92, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 92, 42);  
box-shadow:4px 4px 4px 4px rgb(120, 92,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9908, 11.8145, 3.8389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 92, 42) }
```

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

```
.background{ background-color: rgb(120, 92,  
42) }
```

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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