

Converting Colors

XYZ(12.0134, 11.8775, 1.7216)

Have a look what the booklet for
XYZ(12.0134, 11.8775, 1.7216)
contains.

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Color

**XYZ(12.0065, 11.8696,
1.7157)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5C02
RGB	123, 92, 2
RGB Percent	48%, 36%, 1%
CMY	0.5176, 0.6392, 0.9921
CMYK	0.00, 0.25, 0.98, 0.52
HSL	45°, 97%, 25%
HSV	45°, 98%, 48%
XYZ	12.0065, 11.8696, 1.7157
YIQ	91.0090, 47.3660, -21.4180

Conversions

Conversions Part 2

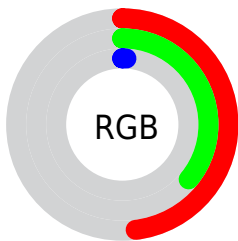
Format	Color
RYB	44, 123, 2
Decimal	8084482
CIELab	41.01, 5.15, 48.15
CIElCh	41, 48.424, 83.891
Yxy	11.8696, 0.4692, 0.4638
Android (android.graphics.Color)	4286274562 (0xFF7B5C02)
YUV	91.0090, -43.8814, 28.0561
Hunter-Lab	34.4523, 1.9151, 21.1640

Details

The XYZ color **12.0065, 11.8696, 1.7157** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.1441, 2.5308, 19.0089**, and the grayscale version is **10.0355, 10.5581, 11.4978**.

A 20% lighter version of the original color is **29.0528, 29.2455, 8.2514**, and **3.4708, 3.2982, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **11.9514, 11.7771, 1.6433**, and if you desaturate by 10%, it is **12.3558, 12.4557, 2.1794**.

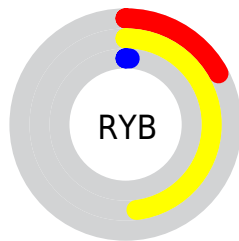
Distribution



Red (48%)

Green (36%)

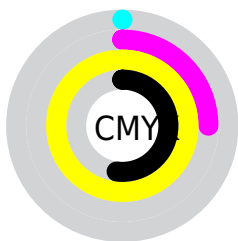
Blue (1%)



Red (17%)

Yellow (48%)

Blue (1%)

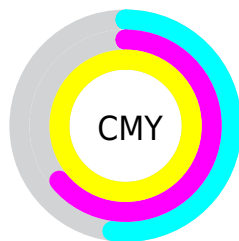


Cyan (0%)

Magenta (25%)

Yellow (98%)

Black (52%)



Cyan (52%)


Magenta (64%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0065, 11.8696, 1.7157 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 12.0065, 11.8696, 1.7157 by changing the saturation by 10% instead.


 12.0065, 11.8696,
1.7157


 12.0065, 11.8696,
1.7157


 198.2173,
203.5401, 117.7932


 6.8203, 6.6549,
0.3715


 29.1237, 29.2574,
8.2479


 3.3953, 3.2473,
0.0000


 41.7854, 42.1993,
14.3861

 1.3661, 1.2621,
0.0000

 57.6698, 58.4858,
22.9971

 0.2319, 0.1116,
0.0000


 77.1420, 78.5012,
34.4995


 0.0000, 0.0000,
0.0000


 100.5675,
102.6299, 49.3117


 128.3117,


131.2564, 67.8524


 160.7398,
164.7650, 90.5400


 12.0065, 11.8696,
1.7157


 12.0065, 11.8696,
1.7157


 11.9514, 11.7771,
1.6433

 12.3558, 12.4557,
2.1794

 12.7579, 13.0809,
2.8656

 13.2311, 13.7530,
3.8685

 13.7821, 14.4751,
5.2233

 14.4168, 15.2497,
6.9606

■ 15.1406, 16.0791,
9.1076

■ 15.9583, 16.9655,
11.6889

■ 16.8742, 17.9108,
14.7274

■ 17.8925, 18.9168,
18.2441

Harmonies

Analogous

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



15.6865, 11.8696, 2.8193



12.0065, 11.8696, 1.7157



8.7903, 11.8696, 2.1449

Triad

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



12.0065, 11.8696, 1.7157



6.2162, 11.8696, 22.3063



17.5736, 11.8696, 27.7658

Complementary

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



12.0065, 11.8696, 1.7157



4.1441, 2.5308, 19.0089

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.



14.2042, 11.8696, 39.4374



12.0065, 11.8696, 1.7157



7.7899, 11.8696, 35.3134

Square

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



12.0065, 11.8696, 1.7157



5.8645, 11.8696, 10.9959



10.5867, 11.8696, 42.7406



19.2979, 11.8696, 15.0653

Rectangle

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



12.0065, 11.8696, 1.7157



7.2606, 11.8696, 3.4672



10.5867, 11.8696, 42.7406



16.5663, 11.8696, 32.1557

Sweetspot

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



12.0068, 11.8702, 1.7159



28.2151, 29.9959, 19.7651



8.4828, 4.3715, 1.9306



6.5236, 6.9334, 4.2698



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.0068, 11.8702, 1.7159



21.2833, 20.8524, 2.9032



11.7891, 16.5907, 2.6386



4.2250, 4.4684, 4.2643



12.3593, 12.1744, 1.6985



58.2437, 56.6508, 7.8649

Inverse Universe

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



4.1441, 2.5308, 19.0089



7.2005, 4.1575, 33.9796



4.1393, 1.7532, 18.8591



3.8734, 4.0451, 5.0198



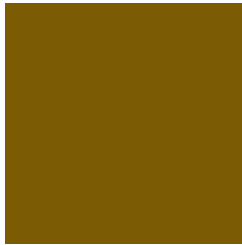
4.2153, 2.5129, 19.6482



19.5137, 10.8000, 93.5259

Previews

White Background



This preview shows how the XYZ color 12.0065, 11.8696, 1.7157 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 12.0065, 11.8696, 1.7157

Background



This preview shows how black text looks on a background with the XYZ color 12.0065, 11.8696, 1.7157.



This preview shows how white text looks on a background with the XYZ color 12.0065, 11.8696,

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

12.0065, 11.8696, 1.7157

Protanopia

10.7435, 11.8797, 1.9278

Deuteranopia

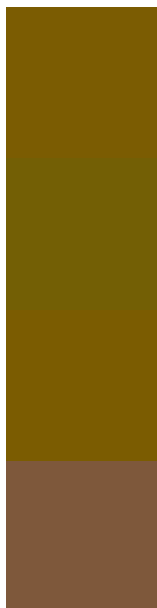
12.0010, 11.8674, 1.6868



Tritanopia

14.0120, 11.9403, 11.6914

Trichromacy



Original Color

12.0065, 11.8696, 1.7157

Protanomaly

11.1898, 11.8402, 1.8392

Deuteranomaly

12.0010, 11.8674, 1.6868

Tritanomaly

12.8833, 11.7308, 5.7229

Monochromacy



Original Color

12.0065, 11.8696, 1.7157

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.1240, 10.6815, 5.6658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0065, 11.8696, 1.7157 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(123, 92, 2)` looks like.

```
.text, #text, p{  
    color:rgb(123, 92, 2)  
}
```

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(123, 92, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 92, 2) }
```

Border

The CSS property to change the border of an element to XYZ 12.0065, 11.8696, 1.7157 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(123, 92, 2) }
```


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

```
.border{ border-color:rgb(123, 92, 2) }
```

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

Here you see how a box with a 4 pixel rgb(123, 92, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 92, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 92, 2);  
box-shadow:4px 4px 4px 4px rgb(123, 92, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0065, 11.8696, 1.7157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 92, 2) }
```

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

```
.background{ background-color: rgb(123, 92,  
2) }
```

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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