

Converting Colors

XYZ(12.1136, 11.6723, 1.6145)

Have a look what the booklet for
XYZ(12.1136, 11.6723, 1.6145)
contains.

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Color

**XYZ(12.1136, 11.6723,
1.6145)**

Conversions

Conversions Part 1

Format	Color
Hex	7D5A00
RGB	125, 90, 0
RGB Percent	49%, 35%, 0%
CMY	0.5098, 0.6470, 1.0000
CMYK	0.00, 0.28, 1.00, 0.51
HSL	43°, 100%, 25%
HSV	43°, 100%, 49%
XYZ	12.1136, 11.6723, 1.6145
YIQ	90.2050, 49.7500, -20.5700

Conversions

Conversions Part 2

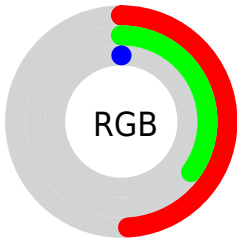
Format	Color
RYB	49, 125, 0
Decimal	8215040
CIELab	40.69, 7.27, 48.61
CIElCh	41, 49.148, 81.498
Yxy	11.6723, 0.4769, 0.4595
Android (android.graphics.Color)	4286405120 (0xFF7D5A00)
YUV	90.2050, -44.4711, 30.5152
Hunter-Lab	34.1647, 3.5014, 21.1135

Details

The XYZ color **12.1136, 11.6723, 1.6145** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.3027, 2.6827, 19.6929**, and the grayscale version is **9.8537, 10.3668, 11.2895**.

A 20% lighter version of the original color is **29.4080, 28.9967, 7.9178**, and **3.5369, 3.2164, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **12.1138, 11.6727, 1.6146**, and if you desaturate by 10%, it is **12.4855, 12.3051, 2.0813**.

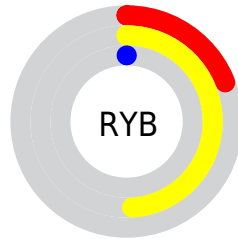
Distribution



Red (49%)

Green (35%)

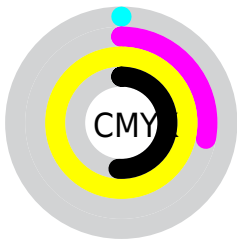
Blue (0%)



Red (19%)

Yellow (49%)

Blue (0%)

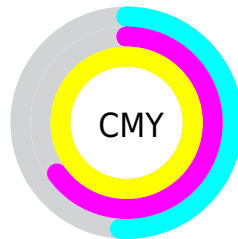


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1136, 11.6723, 1.6145 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 12.1136, 11.6723, 1.6145 by changing the saturation by 10% instead.

12.1136, 11.6723,
1.6145

12.1136, 11.6723,
1.6145

198.9105,
202.2236, 116.0703

6.8938, 6.5210,
0.3011

29.3169, 28.8968,
7.9572

3.4415, 3.1644,
0.0000

42.0312, 41.7388,
13.9641

1.3913, 1.2181,
0.0000

57.9743, 57.9131,
22.4194

0.2500, 0.0764,
0.0000


77.5116, 77.8042,
33.7416


0.0000, 0.0000,
0.0000


101.0086,
101.7964, 48.3492


128.8305,


130.2741, 66.6609


 161.3427,
163.6217, 89.0951


 12.1136, 11.6723,
1.6145


 12.1136, 11.6723,
1.6145


 12.1138, 11.6727,
1.6146

 12.4855, 12.3051,
2.0813

 12.9078, 12.9801,
2.7450

 13.4048, 13.7078,
3.7313

 13.9837, 14.4914,
5.0781

 14.6509, 15.3337,
6.8177

■ 15.4121, 16.2372,
8.9790

■ 16.2723, 17.2044,
11.5881

■ 17.2363, 18.2372,
14.6690

■ 18.3085, 19.3378,
18.2441

Harmonies

Analogous

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



15.8052, 11.6723, 2.8353



12.1136, 11.6723, 1.6145



8.8174, 11.6723, 1.9153

Triad

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



12.1136, 11.6723, 1.6145



5.9586, 11.6723, 21.1090



17.2008, 11.6723, 28.7702

Complementary

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



12.1136, 11.6723, 1.6145



4.3027, 2.6827, 19.6929

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.



13.7326, 11.6723, 40.1938



12.1136, 11.6723, 1.6145



7.4268, 11.6723, 34.3908

Square

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



12.1136, 11.6723, 1.6145



5.7032, 11.6723, 10.0802



10.1336, 11.6723, 42.6623



19.1191, 11.6723, 15.7595

Rectangle

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



12.1136, 11.6723, 1.6145



7.2235, 11.6723, 3.0789



10.1336, 11.6723, 42.6623



16.1470, 11.6723, 33.1549

Sweetspot

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



12.1139, 11.6729, 1.6147



29.0217, 30.6791, 20.3834



8.7670, 4.4839, 2.0263



6.4772, 6.8405, 4.2543



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.



12.1139, 11.6729, 1.6147



21.5659, 20.6489, 2.8490



12.3616, 17.2592, 2.6799



4.5668, 4.8223, 4.6102



12.6372, 12.1707, 1.6831



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.3027, 2.6827, 19.6929



7.5938, 4.5815, 35.2284



4.1559, 1.7149, 19.5138



4.1993, 4.3926, 5.4398



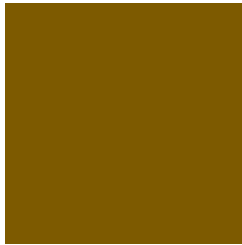
4.4852, 2.7889, 20.5519



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1136, 11.6723, 1.6145 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 12.1136, 11.6723, 1.6145

Background



This preview shows how black text looks on a background with the XYZ color 12.1136, 11.6723, 1.6145.



This preview shows how white text looks on a background with the XYZ color 12.1136, 11.6723,

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

12.1136, 11.6723, 1.6145

Protanopia

10.6197, 11.8159, 1.9220

Deuteranopia

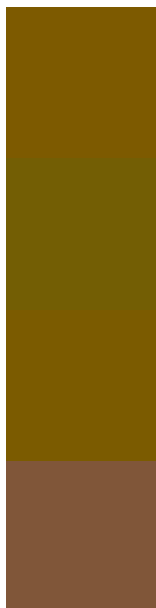
11.7671, 11.6197, 1.6226



Tritanopia

14.0690, 11.7460, 11.1985

Trichromacy



Original Color

12.1136, 11.6723, 1.6145

Protanomaly

11.0948, 11.6590, 1.7805

Deuteranomaly

11.9095, 11.6931, 1.6293

Tritanomaly

12.9684, 11.5402, 5.4149

Monochromacy



Original Color

12.1136, 11.6723, 1.6145

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.9882, 10.4913, 5.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1136, 11.6723, 1.6145 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(125, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 90, 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(125, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1136, 11.6723, 1.6145 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(125, 90, 0) }
```


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

```
.border{ border-color:rgb(125, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1136, 11.6723, 1.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 90, 0) }
```

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

```
.background{ background-color: rgb(125, 90,  
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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