

Converting Colors

XYZ(12.9864, 11.0437, 1.7638)

Have a look what the booklet for
XYZ(12.9864, 11.0437, 1.7638)
contains.

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Color

**XYZ(12.9945, 11.0599,
1.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	87510B
RGB	135, 81, 11
RGB Percent	53%, 32%, 4%
CMY	0.4706, 0.6823, 0.9568
CMYK	0.00, 0.40, 0.92, 0.47
HSL	34°, 85%, 29%
HSV	34°, 92%, 53%
XYZ	12.9945, 11.0599, 1.7665
YIQ	89.1660, 54.6540, -10.3220

Conversions

Conversions Part 2

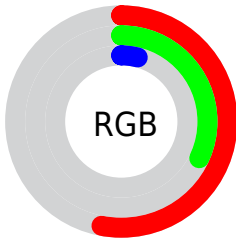
Format	Color
RYB	107, 135, 11
Decimal	8868107
CIELab	39.68, 17.57, 45.37
CIELCh	40, 48.656, 68.827
Yxy	11.0599, 0.5033, 0.4283
Android (android.graphics.Color)	4287058187 (0xFF87510B)
YUV	89.1660, -38.5358, 40.1964
Hunter-Lab	33.2564, 11.5477, 20.1302

Details

The XYZ color **12.9945, 11.0599, 1.7665** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.4014, 5.6009, 23.6652**, and the grayscale version is **9.6069, 10.1072, 11.0068**.

A 20% lighter version of the original color is **30.8722, 27.6616, 8.4147**, and **3.9391, 2.9672, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **12.5907, 10.3491, 1.3340**, and if you desaturate by 10%, it is **13.5605, 12.0163, 2.4965**.

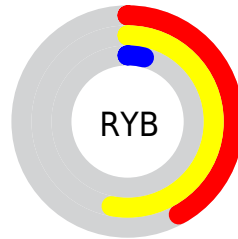
Distribution



Red (53%)

Green (32%)

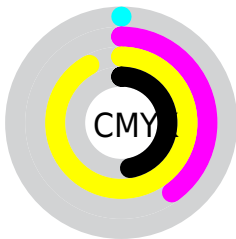
Blue (4%)



Red (42%)

Yellow (53%)

Blue (4%)

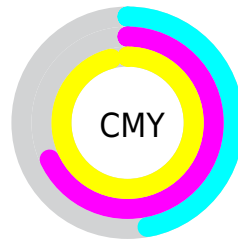


Cyan (0%)

Magenta (40%)

Yellow (92%)

Black (47%)



Cyan (47%)

Magenta (68%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9945, 11.0599, 1.7665 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 12.9945, 11.0599, 1.7665 by changing the saturation by 10% instead.

12.9945, 11.0599,
1.7665

12.9945, 11.0599,
1.7665

204.5207,
198.0780, 118.6387

7.5017, 6.1071,
0.4057

30.8953, 27.7709,
8.3920

3.8269, 2.9103,
0.0000

44.0340, 40.2979,
14.5947

1.6047, 1.0851,
0.0000

60.4522, 56.1184,
23.2822

0.3955, 0.0000,
0.0000


80.5150, 75.6169,
34.8728


0.0000, 0.0000,
0.0000


104.5879, 99.1777,
49.7853


133.0363,


127.1852, 68.4380


 166.2254,
160.0239, 91.2497


 12.9945, 11.0599,
1.7665


 12.9945, 11.0599,
1.7665


 12.5907, 10.3491,
1.3340

 13.5605, 12.0163,
2.4965

 14.2349, 13.0777,
3.6080

 15.0281, 14.2500,
5.1489

 15.9485, 15.5380,
7.1601

 17.0038, 16.9460,
9.6774

■ 18.2008, 18.4782,
12.7333

■ 19.5459, 20.1383,
16.3575

■ 21.0451, 21.9300,
20.5774

■ 22.7040, 23.8566,
25.4189

Harmonies

Analogous

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



16.3208, 11.0599, 3.8240



12.9945, 11.0599, 1.7665



9.5613, 11.0599, 1.4979

Triad

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



12.9945, 11.0599, 1.7665



5.3756, 11.0599, 15.0762



15.0516, 11.0599, 32.6799

Complementary

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



12.9945, 11.0599, 1.7665



6.4014, 5.6009, 23.6652

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.



11.5240, 11.0599, 40.7095



12.9945, 11.0599, 1.7665



6.2766, 11.0599, 27.5563

Square

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



12.9945, 11.0599, 1.7665



5.6064, 11.0599, 6.5658



8.3679, 11.0599, 38.4567



17.6719, 11.0599, 19.9402

Rectangle

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



12.9945, 11.0599, 1.7665



7.7210, 11.0599, 2.0697



8.3679, 11.0599, 38.4567



13.9059, 11.0599, 36.2600

Sweetspot

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



12.9947, 11.0605, 1.7667



33.3411, 34.0238, 24.7809



11.1185, 5.7932, 5.8112



7.5177, 7.6249, 5.2003



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.



12.9947, 11.0605, 1.7667



22.3864, 18.2107, 2.3351



17.7472, 22.0034, 3.6284



4.8744, 5.0924, 4.9554



11.6237, 9.5700, 1.2346



0.0475, 0.0477, 0.0067

Inverse Universe

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



6.4014, 5.6009, 23.6652



10.4589, 8.3873, 42.1160



4.7277, 2.1097, 23.0795



4.5889, 4.8535, 5.8957



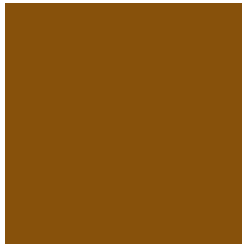
5.4776, 4.5030, 21.7172



0.0260, 0.0297, 0.0776

Previews

White Background



This preview shows how the XYZ color 12.9945, 11.0599, 1.7665 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 12.9945, 11.0599, 1.7665 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 12.9945, 11.0599, 1.7665

Background



This preview shows how black text looks on a background with the XYZ color 12.9945, 11.0599, 1.7665.



This preview shows how white text looks on a background with the XYZ color 12.9945, 11.0599,

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

12.9945, 11.0599, 1.7665

Protanopia

10.0328, 11.1041, 2.0665

Deuteranopia

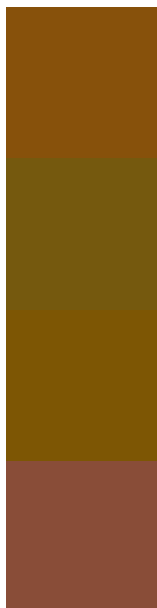
11.1801, 11.0667, 1.5468



Tritanopia

14.4825, 11.0295, 9.1502

Trichromacy



Original Color

12.9945, 11.0599, 1.7665

Protanomaly

10.9878, 10.9584, 1.9515

Deuteranomaly

11.8072, 11.0243, 1.6205

Tritanomaly

13.6842, 10.9116, 5.1263

Monochromacy



Original Color

12.9945, 11.0599, 1.7665

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.1140, 10.0567, 5.8229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9945, 11.0599, 1.7665 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(135, 81, 11)` looks like.

```
.text, #text, p{  
    color:rgb(135, 81, 11)  
}
```

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(135, 81, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 81, 11) }
```

Border

The CSS property to change the border of an element to XYZ 12.9945, 11.0599, 1.7665 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(135, 81, 11) }
```


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

```
.border{ border-color:rgb(135, 81, 11) }
```

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

Here you see how a box with a 4 pixel rgb(135, 81, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 81, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 81, 11);  
box-shadow:4px 4px 4px 4px rgb(135, 81,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9945, 11.0599, 1.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 81, 11) }
```

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

```
.background{ background-color: rgb(135, 81,  
11) }
```

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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