

Converting Colors

XYZ(12.7860, 11.1153, 1.7913)

Have a look what the booklet for
XYZ(12.7860, 11.1153, 1.7913)
contains.

XYZ(12.7506, 11.0453, 1.7765)	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(12.7506, 11.0453,
1.7765)**

Conversions

Conversions Part 1

Format	Color
Hex	85520B
RGB	133, 82, 11
RGB Percent	52%, 32%, 4%
CMY	0.4784, 0.6784, 0.9569
CMYK	0.00, 0.38, 0.92, 0.48
HSL	35°, 85%, 28%
HSV	35°, 92%, 52%
XYZ	12.7506, 11.0453, 1.7765
YIQ	89.1550, 53.1870, -11.2690

Conversions

Conversions Part 2

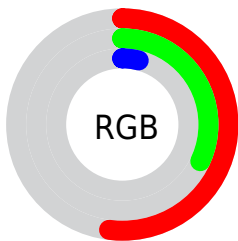
Format	Color
RYB	99, 133, 11
Decimal	8737291
CIELab	39.66, 16.06, 45.23
CIELCh	40, 47.999, 70.455
Yxy	11.0453, 0.4986, 0.4319
Android (android.graphics.Color)	4286927371 (0xFF85520B)
YUV	89.1550, -38.5304, 38.4521
Hunter-Lab	33.2345, 10.3223, 20.0949

Details

The XYZ color **12.7506, 11.0453, 1.7765** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.0942, 5.2097, 22.8746**, and the grayscale version is **9.6047, 10.1049, 11.0042**.

A 20% lighter version of the original color is **30.4994, 27.6678, 8.4356**, and **3.8035, 2.9428, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **12.3551, 10.3511, 1.3468**, and if you desaturate by 10%, it is **13.2949, 11.9617, 2.4889**.

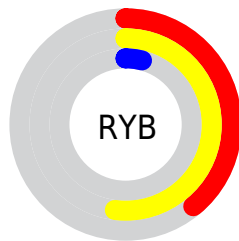
Distribution



Red (52%)

Green (32%)

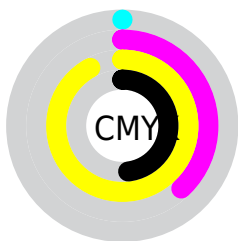
Blue (4%)



Red (39%)

Yellow (52%)

Blue (4%)

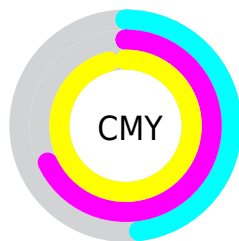


Cyan (0%)

Magenta (38%)

Yellow (92%)

Black (48%)



Cyan (48%)

Magenta (68%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7506, 11.0453, 1.7765 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 12.7506, 11.0453, 1.7765 by changing the saturation by 10% instead.

■ 12.7506, 11.0453,
1.7765

■ 12.7506, 11.0453,
1.7765

■ 202.9831,
197.9781, 118.8037

■ 7.3328, 6.0973,
0.4124

■ 30.4601, 27.7439,
8.4202

■ 3.7193, 2.9043,
0.0000

■ 43.4826, 40.2633,
14.6356

■ 1.5446, 1.0820,
0.0000

■ 59.7707, 56.0753,
23.3379

■ 0.3559, 0.0000,
0.0000

■ 79.6898, 75.5643,
34.9458


■ 0.0000, 0.0000,
0.0000


■ 103.6053, 99.1147,
49.8778


■ 131.8824,


127.1108, 68.5524


 164.8866,
159.9372, 91.3882


 12.7506, 11.0453,
1.7765


 12.7506, 11.0453,
1.7765


 12.3551, 10.3511,
1.3468

 13.2949, 11.9617,
2.4889

 13.9415, 12.9742,
3.5697

 14.7000, 14.0883,
5.0652

 15.5787, 15.3084,
7.0144

 16.5847, 16.6385,
9.4520

■ 17.7246, 18.0824,
12.4089

■ 19.0044, 19.6435,
15.9139

■ 20.4298, 21.3251,
19.9933

■ 22.0060, 23.1304,
24.6718

Harmonies

Analogous

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



16.0601, 11.0453, 3.7060



12.7506, 11.0453, 1.7765



9.3957, 11.0453, 1.5776

Triad

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



12.7506, 11.0453, 1.7765



5.4407, 11.0453, 15.6077



15.1408, 11.0453, 31.6484

Complementary

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



12.7506, 11.0453, 1.7765



6.0942, 5.2097, 22.8746

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.



11.6838, 11.0453, 39.9351



12.7506, 11.0453, 1.7765



6.3963, 11.0453, 27.9480

Square

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



12.7506, 11.0453, 1.7765



5.6092, 11.0453, 6.9429



8.5281, 11.0453, 38.3101



17.6267, 11.0453, 19.1306

Rectangle

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



12.7506, 11.0453, 1.7765



7.6172, 11.0453, 2.2133



8.5281, 11.0453, 38.3101



14.0271, 11.0453, 35.2555

Sweetspot

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



12.7508, 11.0459, 1.7767



32.4225, 33.2235, 24.0551



10.7142, 5.5946, 5.3460



7.1207, 7.2576, 4.9256



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7508, 11.0459, 1.7767



21.9678, 18.2212, 2.3592



16.8859, 21.1491, 3.5089



4.8809, 5.1053, 4.9575



11.7766, 9.8758, 1.2855



0.0480, 0.0487, 0.0069

Inverse Universe

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



6.0942, 5.2097, 22.8746



9.9303, 7.7300, 40.7071



4.6245, 2.0727, 22.3466



4.5826, 4.8408, 5.8936



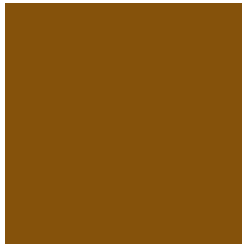
5.3687, 4.2852, 21.6809



0.0255, 0.0287, 0.0774

Previews

White Background



This preview shows how the XYZ color 12.7506, 11.0453, 1.7765 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 12.7506, 11.0453, 1.7765 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 12.7506, 11.0453, 1.7765

Background



This preview shows how black text looks on a background with the XYZ color 12.7506, 11.0453, 1.7765.



This preview shows how white text looks on a background with the XYZ color 12.7506, 11.0453,

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

12.7506, 11.0453, 1.7765

Protanopia

10.0328, 11.1041, 2.0665

Deuteranopia

11.1801, 11.0667, 1.5468



Tritanopia

14.2608, 11.0123, 9.3566

Trichromacy



Original Color

12.7506, 11.0453, 1.7765

Protanomaly

10.9379, 11.0570, 1.9732

Deuteranomaly

11.6619, 10.9494, 1.6137

Tritanomaly

13.4299, 10.8852, 5.1346

Monochromacy



Original Color

12.7506, 11.0453, 1.7765

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.9958, 9.9958, 5.8174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7506, 11.0453, 1.7765 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(133, 82, 11)` looks like.

```
.text, #text, p{  
    color:rgb(133, 82, 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(133, 82, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 82, 11) }
```

Border

The CSS property to change the border of an element to XYZ 12.7506, 11.0453, 1.7765 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(133, 82, 11) }
```


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

```
.border{ border-color:rgb(133, 82, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 82, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 82, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 82, 11);  
box-shadow:4px 4px 4px 4px rgb(133, 82,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7506, 11.0453, 1.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 82, 11) }
```

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

```
.background{ background-color: rgb(133, 82,  
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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