

Converting Colors

XYZ(12.8510, 8.6759, 1.5669)

Have a look what the booklet for
XYZ(12.8510, 8.6759, 1.5669)
contains.

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Color

**XYZ(12.8510, 8.7117,
1.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3812
RGB	143, 56, 18
RGB Percent	56%, 22%, 7%
CMY	0.4392, 0.7804, 0.9294
CMYK	0.00, 0.61, 0.87, 0.44
HSL	18°, 78%, 32%
HSV	18°, 87%, 56%
XYZ	12.8510, 8.7117, 1.5765
YIQ	77.6810, 64.0500, 6.6260

Conversions

Conversions Part 2

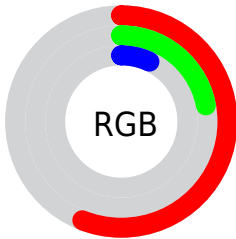
Format	Color
RYB	143, 73, 18
Decimal	9386002
CIELab	35.42, 34.98, 39.91
CIElCh	35, 53.070, 48.773
Yxy	8.7117, 0.5554, 0.3765
Android (android.graphics.Color)	4287576082 (0xFF8F3812)
YUV	77.6810, -29.4227, 57.2848
Hunter-Lab	29.5156, 26.0661, 17.4941

Details

The XYZ color **12.8510, 8.7117, 1.5765** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.2584, 12.2138, 27.8030**, and the grayscale version is **7.2270, 7.6034, 8.2801**.

A 20% lighter version of the original color is **30.7368, 23.3862, 7.8950**, and **3.7789, 1.9964, 0.1862** is the 20% darker color. If you saturate the color by 10%, you get **12.3269, 7.8059, 0.9633**, and if you desaturate by 10%, it is **13.5381, 9.8371, 2.5733**.

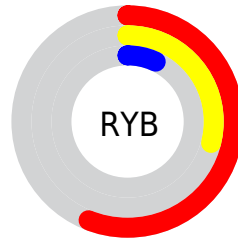
Distribution



Red (56%)

Green (22%)

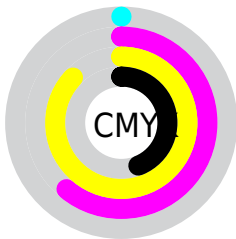
Blue (7%)



Red (56%)

Yellow (29%)

Blue (7%)

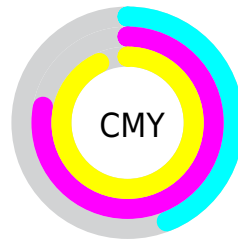


Cyan (0%)

Magenta (61%)

Yellow (87%)

Black (44%)



Cyan (44%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8510, 8.7117, 1.5765 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 12.8510, 8.7117, 1.5765 by changing the saturation by 10% instead.

■ 12.8510, 8.7117,
1.5765

■ 12.8510, 8.7117,
1.5765

■ 203.6175,
181.2124, 115.4094

■ 7.4023, 4.5536,
0.2740

■ 30.6394, 23.3423,
7.8468

■ 3.7635, 1.9878,
0.0000

■ 43.7099, 34.5836,
13.8033

■ 1.5692, 0.6004,
0.0000

■ 60.0517, 48.9548,
22.1988

■ 0.3722, 0.0000,
0.0000

■ 80.0301, 66.8402,
33.4518


■ 0.0000, 0.0000,
0.0000


■ 104.0105, 88.6243,
47.9808


■ 132.3583,


114.6914, 66.2043


 165.4389,
145.4260, 88.5410


 12.8510, 8.7117,
1.5765


 12.8510, 8.7117,
1.5765


 12.3269, 7.8059,
0.9633


 13.5381, 9.8371,
2.5733

 12.2089, 7.6022,
0.8239

 14.4109, 11.1982,
4.0493

 15.4840, 12.8091,
6.0573

 16.7704, 14.6823,
8.6429

 18.2819, 16.8294,
11.8468

■ 20.0292, 19.2611,
15.7060

■ 22.0224, 21.9877,
20.2545

■ 24.2711, 25.0189,
25.5239

■ 26.7841, 28.3639,
31.5440

Harmonies

Analogous

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



15.2844, 8.7117, 4.9920



12.8510, 8.7117, 1.5765



9.4930, 8.7117, 0.6306

Triad

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



12.8510, 8.7117, 1.5765



3.7092, 8.7117, 6.5407



10.3455, 8.7117, 36.4795

Complementary

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



12.8510, 8.7117, 1.5765



10.2584, 12.2138, 27.8030

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.



7.1754, 8.7117, 37.9223



12.8510, 8.7117, 1.5765



3.8291, 8.7117, 16.0911

Square

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



12.8510, 8.7117, 1.5765



4.5642, 8.7117, 2.1059



4.9465, 8.7117, 28.9295



13.6073, 8.7117, 25.7222

Rectangle

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



12.8510, 8.7117, 1.5765



7.4058, 8.7117, 0.6030



4.9465, 8.7117, 28.9295



9.2209, 8.7117, 38.2423

Sweetspot

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



12.8512, 8.7122, 1.5766



36.1597, 34.8938, 28.7797



14.1194, 7.3025, 14.1650



8.0575, 7.6779, 6.0738



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.8512, 8.7122, 1.5766



21.7295, 13.3445, 1.4305



17.9151, 18.8400, 3.2646



5.5343, 5.6749, 5.6930



10.8119, 6.7556, 0.7341



0.1210, 0.0999, 0.0129

Inverse Universe

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



10.2584, 12.2138, 27.8030



16.8021, 19.3980, 49.3966



6.0713, 3.8396, 26.4073



5.4238, 5.8433, 6.8708



8.3917, 9.7693, 24.4205



0.0997, 0.1323, 0.2400

Previews

White Background



This preview shows how the XYZ color 12.8510, 8.7117, 1.5765 looks on a white background.

Color Contrast Check

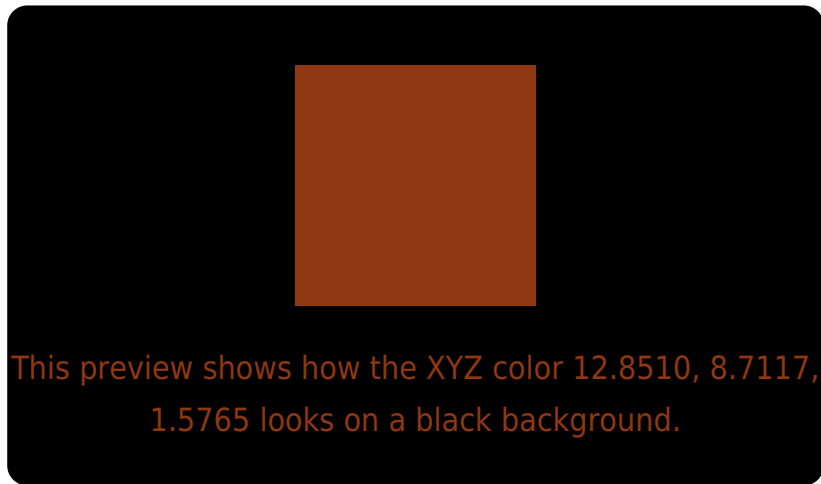
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.8510, 8.7117, 1.5765

Background



This preview shows how black text looks on a background with the XYZ color 12.8510, 8.7117, 1.5765.



This preview shows how white text looks on a background with the XYZ color 12.8510, 8.7117,

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

12.8510, 8.7117, 1.5765

Protanopia

7.9619, 8.7905, 2.1968

Tritanopia

13.4434, 8.6708, 4.7065

Trichromacy



Original Color

12.8510, 8.7117, 1.5765

Protanomaly

9.2757, 8.4002, 1.8916

Tritanomaly

13.1926, 8.6427, 3.1634

Monochromacy



Original Color

12.8510, 8.7117, 1.5765

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.3835, 7.4906, 4.7454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8510, 8.7117, 1.5765 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(143, 56, 18)` looks like.

```
.text, #text, p{  
    color:rgb(143, 56, 18)  
}
```

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(143, 56, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 56, 18) }
```

Border

The CSS property to change the border of an element to XYZ 12.8510, 8.7117, 1.5765 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(143, 56, 18) }
```

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

```
.border{ border-color:rgb(143, 56, 18) }
```

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

Here you see how a box with a 4 pixel rgb(143, 56, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 56, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 56, 18);  
box-shadow:4px 4px 4px 4px rgb(143, 56,  
18) }
```


Background

The CSS property to change the background color of an element to XYZ 12.8510, 8.7117, 1.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 56, 18) }
```

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

```
.background{ background-color: rgb(143, 56,  
18) }
```

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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