

Converting Colors

XYZ(13.2162, 12.6304, 0.2086)

Have a look what the booklet for
XYZ(13.2162, 12.6304, 0.2086)
contains.

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Color

**XYZ(13.5872, 12.8152,
1.7575)**

Conversions

Conversions Part 1

Format	Color
Hex	855D00
RGB	133, 93, 0
RGB Percent	52%, 36%, 0%
CMY	0.4784, 0.6353, 1.0000
CMYK	0.00, 0.30, 1.00, 0.48
HSL	42°, 100%, 26%
HSV	42°, 100%, 52%
XYZ	13.5872, 12.8152, 1.7575
YIQ	94.3580, 53.6930, -20.4430

Conversions

Conversions Part 2

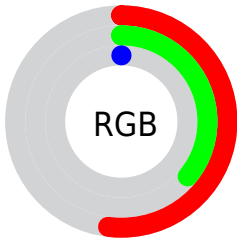
Format	Color
RYB	57, 133, 0
Decimal	8740096
CIELab	42.48, 9.35, 50.29
CIElCh	42, 51.151, 79.464
Yxy	12.8152, 0.4825, 0.4551
Android (android.graphics.Color)	4286930176 (0xFF855D00)
YUV	94.3580, -46.5185, 33.8890
Hunter-Lab	35.7983, 5.1023, 22.1480

Details

The XYZ color **13.5872, 12.8152, 1.7575** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9925, 3.2112, 22.5468**, and the grayscale version is **10.8227, 11.3863, 12.3997**.

A 20% lighter version of the original color is **31.8471, 30.9078, 8.4250**, and **4.1584, 3.6527, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **13.5873, 12.8155, 1.7575**, and if you desaturate by 10%, it is **14.0224, 13.5664, 2.2707**.

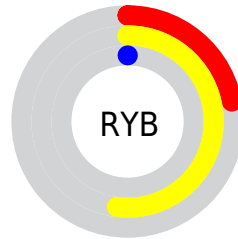
Distribution



Red (52%)

Green (36%)

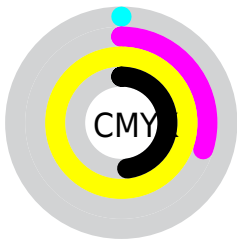
Blue (0%)



Red (22%)

Yellow (52%)

Blue (0%)

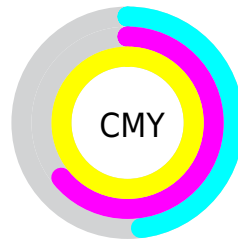


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5872, 12.8152, 1.7575 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 13.5872, 12.8152, 1.7575 by changing the saturation by 10% instead.

■ 13.5872, 12.8152,
1.7575

■ 13.5872, 12.8152,
1.7575

■ 208.2099,
209.7299, 118.4898

■ 7.9139, 7.3014,
0.3997

■ 31.9472, 30.9714,
8.3666

■ 4.0912, 3.6513,
0.0000

■ 45.3646, 44.3826,
14.5579

■ 1.7539, 1.4805,
0.0000

■ 62.0940, 61.1950,
23.2319

■ 0.4896, 0.2749,
0.0000


■ 82.5009, 81.7931,
34.8070


■ 0.0000, 0.0000,
0.0000


■ 106.9506,
106.5612, 49.7018


■ 135.8084,


135.8838, 68.3349


 169.4397,
170.1452, 91.1247


 13.5872, 12.8152,
1.7575


 13.5872, 12.8152,
1.7575


 13.5873, 12.8155,
1.7575

 14.0224, 13.5664,
2.2707

 14.5201, 14.3718,
3.0219

 15.1061, 15.2428,
4.1451

 15.7891, 16.1833,
5.6846

 16.5765, 17.1966,
7.6784

■ 17.4751, 18.2859,
10.1603

■ 18.4909, 19.4539,
13.1609

■ 19.6293, 20.7033,
16.7081

■ 20.8956, 22.0364,
20.8279

Harmonies

Analogous

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



17.6630, 12.8152, 3.2372



13.5872, 12.8152, 1.7575



9.8730, 12.8152, 1.9814

Triad

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



13.5872, 12.8152, 1.7575



6.4417, 12.8152, 22.2930



18.7294, 12.8152, 32.8053

Complementary

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



13.5872, 12.8152, 1.7575



4.9925, 3.2112, 22.5468

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.



14.8220, 12.8152, 45.0783



13.5872, 12.8152, 1.7575



7.9690, 12.8152, 37.1140

Square

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



13.5872, 12.8152, 1.7575



6.2483, 12.8152, 10.4197



10.8743, 12.8152, 46.9740



21.0212, 12.8152, 18.2078

Rectangle

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



13.5872, 12.8152, 1.7575



8.0494, 12.8152, 3.1418



10.8743, 12.8152, 46.9740



17.5272, 12.8152, 37.6064

Sweetspot

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



13.5875, 12.8158, 1.7577



32.9819, 34.6902, 23.1691



10.0929, 5.1547, 2.6648



7.2797, 7.6441, 4.7678



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.



13.5875, 12.8158, 1.7577



24.1903, 22.6661, 3.1000



14.6472, 20.0019, 3.0889



4.9247, 5.1929, 4.9721



12.9495, 12.2216, 1.6765



0.0513, 0.0552, 0.0079

Inverse Universe

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



4.9925, 3.2112, 22.5468



8.8162, 5.5018, 40.3357



4.6197, 1.8926, 22.3119



4.5402, 4.7561, 5.8795



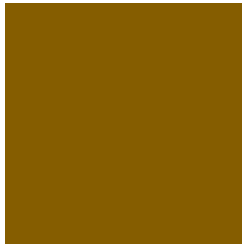
4.7618, 3.0714, 21.4786



0.0223, 0.0222, 0.0763

Previews

White Background



This preview shows how the XYZ color 13.5872, 12.8152, 1.7575 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 13.5872, 12.8152, 1.7575 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 13.5872, 12.8152, 1.7575

Background



This preview shows how black text looks on a background with the XYZ color 13.5872, 12.8152, 1.7575.



This preview shows how white text looks on a background with the XYZ color 13.5872, 12.8152,

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

13.5872, 12.8152, 1.7575

Protanopia

11.6369, 12.9023, 2.1068

Deuteranopia

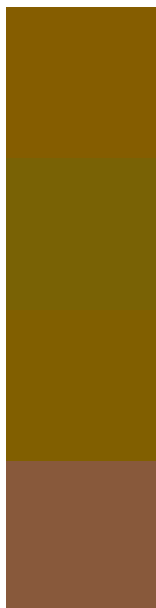
12.9353, 12.8778, 1.8039



Tritanopia

15.6201, 12.7643, 11.9964

Trichromacy



Original Color

13.5872, 12.8152, 1.7575

Protanomaly

12.2802, 12.8113, 1.9692

Deuteranomaly

13.1455, 12.8515, 1.7878

Tritanomaly

14.5151, 12.6948, 5.8230

Monochromacy



Original Color

13.5872, 12.8152, 1.7575

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.0027, 11.5198, 5.9186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5872, 12.8152, 1.7575 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, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 93, 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(133, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 93, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.5872, 12.8152, 1.7575 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, 93, 0) }
```


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

```
.border{ border-color:rgb(133, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5872, 12.8152, 1.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 93, 0) }
```

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

```
.background{ background-color: rgb(133, 93,  
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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