

Converting Colors

XYZ(13.3705, 12.0675, 1.8830)

Have a look what the booklet for
XYZ(13.3705, 12.0675, 1.8830)
contains.

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Color

**XYZ(13.3705, 12.0675,
1.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	865809
RGB	134, 88, 9
RGB Percent	53%, 35%, 4%
CMY	0.4745, 0.6549, 0.9647
CMYK	0.00, 0.34, 0.93, 0.47
HSL	38°, 87%, 28%
HSV	38°, 93%, 53%
XYZ	13.3705, 12.0675, 1.8830
YIQ	92.7480, 52.7750, -14.8170

Conversions

Conversions Part 2

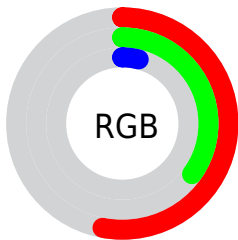
Format	Color
RYB	82, 134, 9
Decimal	8804361
CIELab	41.32, 12.96, 47.11
CIELCh	41, 48.862, 74.623
Yxy	12.0675, 0.4894, 0.4417
Android (android.graphics.Color)	4286994441 (0xFF865809)
YUV	92.7480, -41.2878, 36.1780
Hunter-Lab	34.7383, 7.9112, 21.1030

Details

The XYZ color **13.3705, 12.0675, 1.8830** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.7819, 4.5116, 23.1200**, and the grayscale version is **10.4306, 10.9738, 11.9505**.

A 20% lighter version of the original color is **31.7239, 29.7423, 8.7714**, and **4.0883, 3.3900, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **13.0556, 11.5167, 1.5348**, and if you desaturate by 10%, it is **13.8888, 12.9450, 2.5463**.

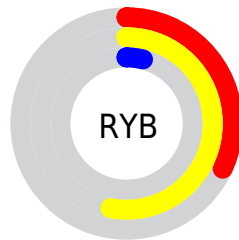
Distribution



Red (53%)

Green (35%)

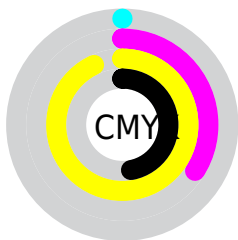
Blue (4%)



Red (32%)

Yellow (53%)

Blue (4%)

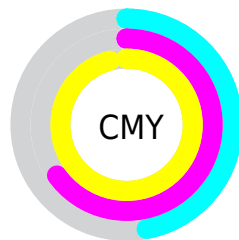


Cyan (0%)

Magenta (34%)

Yellow (93%)

Black (47%)



Cyan (47%)

Magenta (65%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3705, 12.0675, 1.8830 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 13.3705, 12.0675, 1.8830 by changing the saturation by 10% instead.

■ 13.3705, 12.0675,
1.8830

■ 13.3705, 12.0675,
1.8830

206.8687,
204.8516, 120.5327

■ 7.7629, 6.7897,
0.4819

■ 31.5635, 29.6180,
8.7184

■ 3.9941, 3.3309,
0.0000

■ 44.8796, 42.6594,
15.0657

■ 1.6988, 1.3068,
0.0000

■ 61.4960, 59.0575,
23.9242

■ 0.4555, 0.1465,
0.0000

■ 81.7779, 79.1967,
35.7124


■ 0.0000, 0.0000,
0.0000


■ 106.0908,
103.4613, 50.8488


■ 134.8000,


132.2357, 69.7519


 168.2708,
165.9044, 92.8404


 13.3705, 12.0675,
1.8830


 13.3705, 12.0675,
1.8830


 13.0556, 11.5167,
1.5348

 13.8888, 12.9450,
2.5463

 14.5020, 13.9047,
3.5729

 15.2201, 14.9518,
5.0121

 16.0514, 16.0904,
6.9045

 17.0031, 17.3243,
9.2859

■ 18.0817, 18.6566,
12.1884

■ 19.2932, 20.0907,
15.6413

■ 20.6433, 21.6294,
19.6720

■ 22.1372, 23.2755,
24.3056

Harmonies

Analogous

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



17.0267, 12.0675, 3.6540



13.3705, 12.0675, 1.8830



9.8363, 12.0675, 1.8649

Triad

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



13.3705, 12.0675, 1.8830



6.0651, 12.0675, 18.6989



16.9444, 12.0675, 32.4633

Complementary

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



13.3705, 12.0675, 1.8830



5.7819, 4.5116, 23.1200

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.



13.2748, 12.0675, 42.4554



13.3705, 12.0675, 1.8830



7.2763, 12.0675, 32.1328

Square

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



13.3705, 12.0675, 1.8830



6.0803, 12.0675, 8.6196



9.7583, 12.0675, 42.3104



19.3614, 12.0675, 19.0143

Rectangle

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



13.3705, 12.0675, 1.8830



8.0217, 12.0675, 2.7422



9.7583, 12.0675, 42.3104



15.7867, 12.0675, 36.5857

Sweetspot

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



13.3708, 12.0681, 1.8832



32.8246, 34.0276, 24.1891



10.6656, 5.5583, 4.3710



7.2209, 7.4581, 4.9590



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.



13.3708, 12.0681, 1.8832



22.8543, 19.9942, 2.6547



16.2393, 21.0211, 3.4601



4.8995, 5.1425, 4.9637



12.2456, 10.8138, 1.4419



0.0494, 0.0514, 0.0073

Inverse Universe

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



5.7819, 4.5116, 23.1200



9.4041, 6.6777, 40.5317



4.7677, 2.1058, 22.7091



4.5644, 4.8045, 5.8875



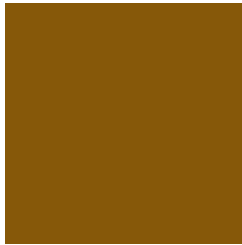
5.0837, 3.7151, 21.5858



0.0242, 0.0260, 0.0770

Previews

White Background



This preview shows how the XYZ color 13.3705, 12.0675, 1.8830 looks on a white background.

Color Contrast Check

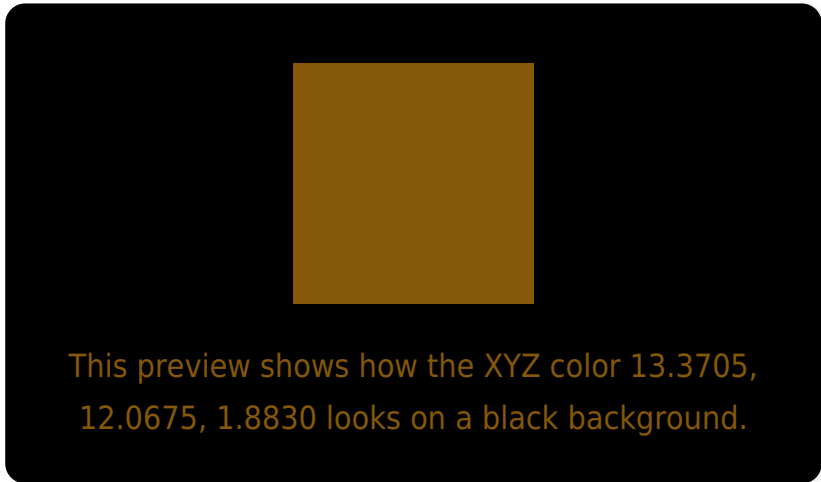
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3705, 12.0675, 1.8830

Background



This preview shows how black text looks on a background with the XYZ color 13.3705, 12.0675, 1.8830.



This preview shows how white text looks on a background with the XYZ color 13.3705, 12.0675,

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

13.3705, 12.0675, 1.8830

Protanopia

10.8707, 12.0794, 2.1394

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

15.2600, 12.1424, 10.7720

Trichromacy



Original Color

13.3705, 12.0675, 1.8830

Protanomaly

11.6768, 11.9539, 2.0397

Deuteranomaly

12.6596, 12.0779, 1.7502

Tritanomaly

14.2763, 11.9748, 5.6966

Monochromacy



Original Color

13.3705, 12.0675, 1.8830

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.7949, 11.0181, 6.1152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3705, 12.0675, 1.8830 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(134, 88, 9)` looks like.

```
.text, #text, p{  
    color:rgb(134, 88, 9)  
}
```

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(134, 88, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 88, 9) }
```

Border

The CSS property to change the border of an element to XYZ 13.3705, 12.0675, 1.8830 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(134, 88, 9) }
```


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

```
.border{ border-color:rgb(134, 88, 9) }
```

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

Here you see how a box with a 4 pixel rgb(134, 88, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 88, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 88, 9);  
box-shadow:4px 4px 4px 4px rgb(134, 88, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3705, 12.0675, 1.8830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 88, 9) }
```

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

```
.background{ background-color: rgb(134, 88,  
9) }
```

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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