

Converting Colors

$Y_{xy}(13.8942, 0.5632, 0.3863)$

Have a look what the booklet for
Yxy(13.8942, 0.5632, 0.3863)
contains.

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Color

Yxy(13.8802, 0.5635, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	B04807
RGB	176, 72, 7
RGB Percent	69%, 28%, 3%
CMY	0.3099, 0.7176, 0.9726
CMYK	0.00, 0.59, 0.96, 0.31
HSL	23°, 92%, 36%
HSV	23°, 96%, 69%
XYZ	20.2577, 13.8802, 1.8119
YIQ	95.6860, 82.8490, 1.8330

Conversions

Conversions Part 2

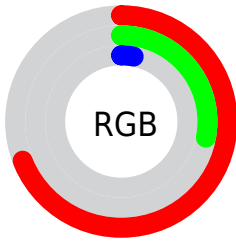
Format	Color
R_{YB}	176, 113, 7
Decimal	11552775
CIE Lab	44.06, 39.78, 52.49
CIE LCh	44, 65.866, 52.841
Yxy	13.8802, 0.5635, 0.3861
Android (android.graphics.Color)	4289742855 (0xFFB04807)
YUV	95.6860, -43.7222, 70.4354
Hunter-Lab	37.2561, 31.8595, 23.1959

Details

The Yxy color **13.8802, 0.5635, 0.3861** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.5363, 0.1908, 0.2039**, and the grayscale version is **11.7112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9294, 0.5112, 0.3887**, and **4.1106, 0.6177, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **13.3294, 0.5733, 0.3830**, and if you desaturate by 10%, it is **15.4597, 0.5372, 0.3926**.

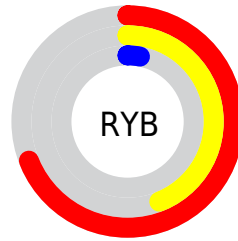
Distribution



Red (69%)

Green (28%)

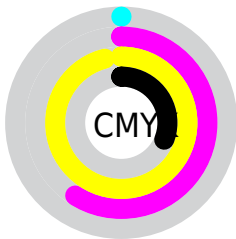
Blue (3%)



Red (69%)

Yellow (44%)

Blue (3%)

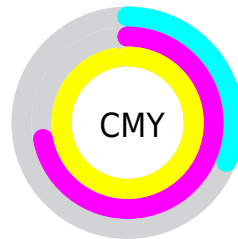


Cyan (0%)

Magenta (59%)

Yellow (96%)

Black (31%)



Cyan (31%)


Magenta (72%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8802, 0.5635, 0.3861 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 Yxy color 13.8802, 0.5635, 0.3861 by changing the saturation by 10% instead.


 13.8802, 0.5635,
0.3861


 13.8802, 0.5635,
0.3861


 216.4843, 0.4229,
0.3720


 8.0374, 0.5997,
0.3797


 32.8763, 0.5115,
0.3879

 4.1189, 0.6390,
0.3610

 46.7984, 0.4919,
0.3862


 1.7403, 0.6797,
0.3203

 64.1824, 0.4754,
0.3839

 0.4495, 0.7729,
0.2271

 85.4126, 0.4615,
0.3813


 0.0000, 1.0000,
0.0000


 110.8735, 0.4496,
0.3788


 0.0000, 0.0000,
0.0000


 140.9495, 0.4395,

0.3764

 176.0250, 0.4306,
0.3741


 13.8802, 0.5635,
0.3861


 13.8802, 0.5635,
0.3861


 13.3294, 0.5733,
0.3830

 15.4597, 0.5372,
0.3926

 17.3440, 0.5065,
0.3940

 19.5535, 0.4739,
0.3908

 22.1050, 0.4418,
0.3841

 25.0143, 0.4117,
0.3752

■ 28.2956, 0.3846,
0.3652

■ 31.9625, 0.3607,
0.3547

■ 36.0278, 0.3400,
0.3445

■ 40.5036, 0.3222,
0.3346

Harmonies

Analogous

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



13.8802, 0.5496, 0.3074



13.8802, 0.5635, 0.3861



13.8802, 0.4977, 0.4768

Triad

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



13.8802, 0.5635, 0.3861



13.8802, 0.1767, 0.4450



13.8802, 0.1909, 0.1514

Complementary

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



13.8802, 0.5635, 0.3861



14.5363, 0.1908, 0.2039

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.



13.8802, 0.1310, 0.1518



13.8802, 0.5635, 0.3861



13.8802, 0.1205, 0.2827

Square

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



13.8802, 0.5635, 0.3861



13.8802, 0.2774, 0.5761



13.8802, 0.1087, 0.1886



13.8802, 0.2984, 0.1805

Rectangle

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



13.8802, 0.5635, 0.3861



13.8802, 0.4297, 0.5384



13.8802, 0.1087, 0.1886



13.8802, 0.1660, 0.1481

Sweetspot

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



13.8810, 0.5635, 0.3861



55.5879, 0.3687, 0.3584



10.5320, 0.4398, 0.2221



11.4499, 0.3787, 0.3627



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.8810, 0.5635, 0.3861



23.7724, 0.5763, 0.3806



33.1106, 0.4393, 0.4869



9.0236, 0.3278, 0.3378



9.8879, 0.5714, 0.3845



0.4261, 0.5194, 0.4258

Inverse Universe

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



14.5363, 0.1908, 0.2039



24.7882, 0.1877, 0.1958



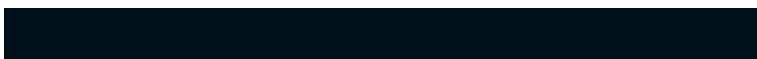
3.9492, 0.1549, 0.0736



9.0713, 0.2986, 0.3200



10.3267, 0.1888, 0.1997



0.4337, 0.2000, 0.2399

Previews

White Background



This preview shows how the Yxy color 13.8802, 0.5635, 0.3861 looks on a white background.

Color Contrast Check

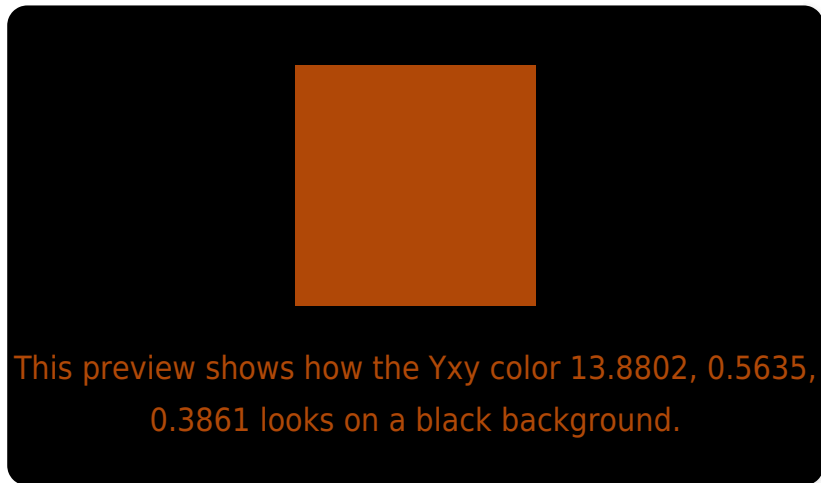
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

Yxy 13.8802, 0.5635, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 13.8802, 0.5635, 0.3861.



This preview shows how white text looks on a background with the Yxy color 13.8802, 0.5635, 0.3861.

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

13.8802, 0.5635, 0.3861

Protanopia

14.0017, 0.4315, 0.4780

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.9342, 0.5006, 0.3244

Trichromacy



Original Color

13.8802, 0.5635, 0.3861

Protanomaly

13.3522, 0.4841, 0.4413

Deuteranomaly

13.7085, 0.5075, 0.4330

Tritanomaly

13.8168, 0.5335, 0.3545

Monochromacy



Original Color

13.8802, 0.5635, 0.3861

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5465, 0.4161, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8802, 0.5635, 0.3861 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(176, 72, 7)` looks like.

```
.text, #text, p{  
    color:rgb(176, 72, 7)  
}
```

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(176, 72, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 72, 7) }
```

Border

The CSS property to change the border of an element to Yxy 13.8802, 0.5635, 0.3861 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(176, 72, 7) }
```

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

```
.border{ border-color:rgb(176, 72, 7) }
```

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

Here you see how a box with a 4 pixel rgb(176, 72, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 72, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 72, 7);  
box-shadow:4px 4px 4px 4px rgb(176, 72, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8802, 0.5635, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 72, 7) }
```

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

```
.background{ background-color: rgb(176, 72,  
7) }
```

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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