

Converting Colors

$Y_{xy}(13.1008, 0.5830, 0.3753)$

Have a look what the booklet for
Yxy(13.1008, 0.5830, 0.3753)
contains.

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Color

Yxy(13.1387, 0.5825, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	B33F00
RGB	179, 63, 0
RGB Percent	70%, 25%, 0%
CMY	0.2980, 0.7530, 1.0000
CMYK	0.00, 0.65, 1.00, 0.30
HSL	21°, 100%, 35%
HSV	21°, 100%, 70%
XYZ	20.3708, 13.1387, 1.4618
YIQ	90.5020, 89.3590, 4.9990

Conversions

Conversions Part 2

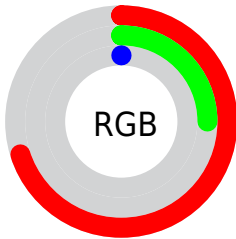
Format	Color
R _Y B	179, 97, 0
Decimal	11747072
CIE Lab	42.97, 45.03, 54.14
CIE LCh	43, 70.422, 50.246
Yxy	13.1387, 0.5825, 0.3757
Android (android.graphics.Color)	4289937152 (0xFFB33F00)
YUV	90.5020, -44.6175, 77.6127
Hunter-Lab	36.2473, 36.8829, 22.9821

Details

The Yxy color **13.1387, 0.5825, 0.3757** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.7524, 0.1916, 0.2098**, and the grayscale version is **10.4303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6536, 0.5264, 0.3824**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1395, 0.5825, 0.3757**, and if you desaturate by 10%, it is **14.6060, 0.5567, 0.3837**.

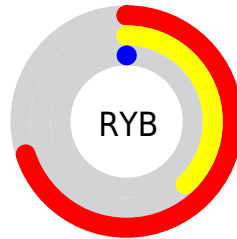
Distribution



Red (70%)

Green (25%)

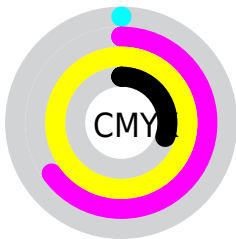
Blue (0%)



Red (70%)

Yellow (38%)

Blue (0%)

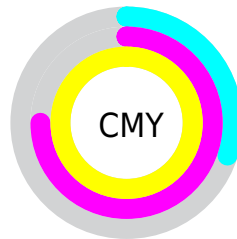


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1387, 0.5825, 0.3757 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 13.1387, 0.5825, 0.3757 by changing the saturation by 10% instead.


 13.1387, 0.5825,
0.3757


 13.1387, 0.5825,
0.3757


 211.8047, 0.4314,
0.3704


 7.5241, 0.6235,
0.3672


 31.5527, 0.5271,
0.3820


 3.7920, 0.6597,
0.3403

 45.1210, 0.5059,
0.3815


 1.5579, 0.7054,
0.2946

 62.1093, 0.4882,
0.3801

 0.3290, 0.8250,
0.1750

 82.9019, 0.4732,
0.3783


 0.0000, 1.0000,
0.0000


 107.8834, 0.4604,
0.3763


 0.0000, 0.0000,
0.0000


 137.4381, 0.4493,


0.3742


 171.9504, 0.4398,
0.3723

 13.1387, 0.5825,
0.3757


 13.1387, 0.5825,
0.3757


 13.1395, 0.5825,
0.3757

 14.6060, 0.5567,
0.3837

 16.3986, 0.5261,
0.3877

 18.5468, 0.4923,
0.3869

 21.0713, 0.4582,
0.3822

 23.9910, 0.4258,
0.3748

■ 27.3231, 0.3965,
0.3660

■ 31.0840, 0.3706,
0.3564

■ 35.2889, 0.3482,
0.3469

■ 39.9522, 0.3291,
0.3377

Harmonies

Analogous

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



13.1387, 0.5625, 0.2959



13.1387, 0.5825, 0.3757



13.1387, 0.5155, 0.4727

Triad

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



13.1387, 0.5825, 0.3757



13.1387, 0.1727, 0.4731



13.1387, 0.1752, 0.1400

Complementary

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



13.1387, 0.5825, 0.3757



15.7524, 0.1916, 0.2098

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.



13.1387, 0.1174, 0.1427



13.1387, 0.5825, 0.3757



13.1387, 0.1114, 0.2890

Square

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



13.1387, 0.5825, 0.3757



13.1387, 0.2805, 0.6055



13.1387, 0.0972, 0.1835



13.1387, 0.2843, 0.1676

Rectangle

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



13.1387, 0.5825, 0.3757



13.1387, 0.4433, 0.5428



13.1387, 0.0972, 0.1835



13.1387, 0.1509, 0.1374

Sweetspot

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



13.1395, 0.5825, 0.3757



55.2993, 0.3718, 0.3569



10.8550, 0.4336, 0.2162



11.6123, 0.3823, 0.3609



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.1395, 0.5825, 0.3757



23.1461, 0.5854, 0.3734



32.0954, 0.4484, 0.4822



8.9782, 0.3279, 0.3371



9.3953, 0.5804, 0.3774



0.4079, 0.5263, 0.4203

Inverse Universe

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



15.7524, 0.1916, 0.2098



27.7696, 0.1910, 0.2077



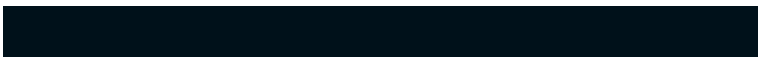
4.0325, 0.1535, 0.0726



9.1182, 0.2986, 0.3208



11.2549, 0.1921, 0.2113



0.4588, 0.2022, 0.2480

Previews

White Background



This preview shows how the Yxy color 13.1387, 0.5825, 0.3757 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 13.1387, 0.5825, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 13.1387, 0.5825, 0.3757.



This preview shows how white text looks on a background with the Yxy color 13.1387, 0.5825, 0.3757.

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

13.1387, 0.5825, 0.3757

Protanopia

13.3924, 0.4300, 0.4783

Deuteranopia

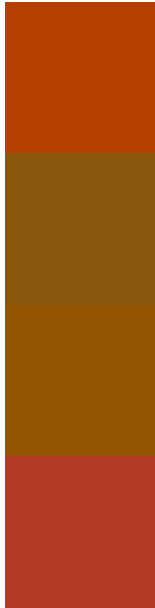
13.2165, 0.4694, 0.4655



Tritanopia

13.1790, 0.5259, 0.3261

Trichromacy



Original Color

13.1387, 0.5825, 0.3757

Protanomaly

12.4093, 0.4934, 0.4362

Deuteranomaly

12.7000, 0.5158, 0.4287

Tritanomaly

13.0815, 0.5588, 0.3513

Monochromacy



Original Color

13.1387, 0.5825, 0.3757

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4013, 0.4293, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1387, 0.5825, 0.3757 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(179, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 63, 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(179, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1387, 0.5825, 0.3757 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(179, 63, 0) }
```

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

```
.border{ border-color:rgb(179, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1387, 0.5825, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 63, 0) }
```

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

```
.background{ background-color: rgb(179, 63,  
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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