

Converting Colors

$Y_{xy}(13.1289, 0.6065, 0.3566)$

Have a look what the booklet for
Yxy(13.1289, 0.6065, 0.3566)
contains.

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Color

Yxy(13.1438, 0.6063, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	BE3100
RGB	190, 49, 0
RGB Percent	75%, 19%, 0%
CMY	0.2549, 0.8078, 1.0000
CMYK	0.00, 0.74, 1.00, 0.25
HSL	15°, 100%, 37%
HSV	15°, 100%, 75%
XYZ	22.3349, 13.1438, 1.3593
YIQ	85.5730, 99.7650, 14.6530

Conversions

Conversions Part 2

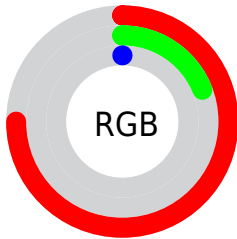
Format	Color
RYB	190, 66, 0
Decimal	12464384
CIELab	42.98, 54.32, 55.29
CIELCh	43, 77.513, 45.506
Yxy	13.1438, 0.6063, 0.3568
Android (android.graphics.Color)	4290654464 (0xFFBE3100)
YUV	85.5730, -42.1875, 91.5825
Hunter-Lab	36.2544, 46.5216, 23.1550

Details

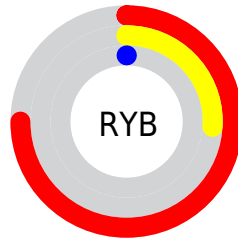
The Yxy color **13.1438, 0.6063, 0.3568** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.7700, 0.2008, 0.2430**, and the grayscale version is **9.2862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4498, 0.5465, 0.3687**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1446, 0.6063, 0.3568**, and if you desaturate by 10%, it is **14.5612, 0.5798, 0.3649**.

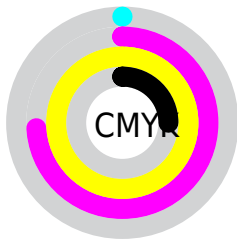
Distribution



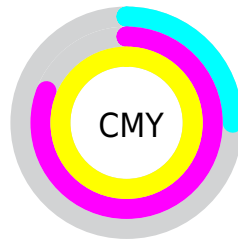
- Red (75%)
- Green (19%)
- Blue (0%)



- Red (75%)
- Yellow (26%)
- Blue (0%)



- Cyan (0%)
- Magenta (74%)
- Yellow (100%)
- Black (25%)



- Cyan (25%)
- Magenta (81%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1438, 0.6063, 0.3568 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 13.1438, 0.6063, 0.3568 by changing the saturation by 10% instead.


 13.1438, 0.6063,
0.3568


 13.1438, 0.6063,
0.3568


 211.8372, 0.4428,
0.3651


 7.5276, 0.6506,
0.3444


 31.5619, 0.5468,
0.3690


 3.7942, 0.6878,
0.3122

 45.1326, 0.5240,
0.3705


 1.5591, 0.7374,
0.2626

 62.1236, 0.5047,
0.3706

 0.3298, 0.8533,
0.1467

 82.9194, 0.4884,
0.3700


 0.0000, 1.0000,
0.0000


 107.9042, 0.4744,
0.3690

 0.0000, 0.0000,
0.0000

 137.4625, 0.4624,


0.3678


 171.9787, 0.4519,
0.3665

 13.1438, 0.6063,
0.3568


 13.1438, 0.6063,
0.3568


 13.1446, 0.6063,
0.3568

 14.5612, 0.5798,
0.3649

 16.4239, 0.5462,
0.3699

 18.7773, 0.5082,
0.3707

 21.6552, 0.4696,
0.3680

 25.0881, 0.4333,
0.3629

■ 29.1040, 0.4010,
0.3564

■ 33.7289, 0.3730,
0.3493

■ 38.9874, 0.3493,
0.3423

■ 44.9025, 0.3294,
0.3354

Harmonies

Analogous

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



13.1438, 0.5705, 0.2772



13.1438, 0.6063, 0.3568



13.1438, 0.5424, 0.4576

Triad

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



13.1438, 0.6063, 0.3568



13.1438, 0.1742, 0.5236



13.1438, 0.1525, 0.1268

Complementary

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



13.1438, 0.6063, 0.3568



22.7700, 0.2008, 0.2430

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.



13.1438, 0.1003, 0.1340



13.1438, 0.6063, 0.3568



13.1438, 0.1035, 0.3092

Square

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



13.1438, 0.6063, 0.3568



13.1438, 0.2909, 0.6388



13.1438, 0.0845, 0.1829



13.1438, 0.2580, 0.1504

Rectangle

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



13.1438, 0.6063, 0.3568



13.1438, 0.4651, 0.5349



13.1438, 0.0845, 0.1829



13.1438, 0.1302, 0.1256

Sweetspot

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



13.1446, 0.6063, 0.3568



60.6835, 0.3743, 0.3497



12.9163, 0.3965, 0.1958



12.5146, 0.3858, 0.3527



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.1446, 0.6063, 0.3568



23.4807, 0.6089, 0.3547



30.4448, 0.4718, 0.4636



9.9257, 0.3282, 0.3350



8.8493, 0.6040, 0.3586



0.4564, 0.5556, 0.3970

Inverse Universe

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



22.7700, 0.2008, 0.2430



40.8366, 0.2004, 0.2415



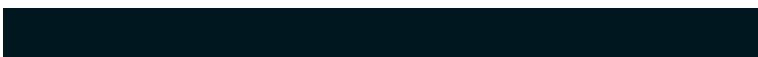
5.7914, 0.1579, 0.0885



10.3817, 0.2985, 0.3229



15.2714, 0.2012, 0.2442



0.6981, 0.2075, 0.2669

Previews

White Background



This preview shows how the Yxy color 13.1438, 0.6063, 0.3568 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 Yxy color 13.1438, 0.6063, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

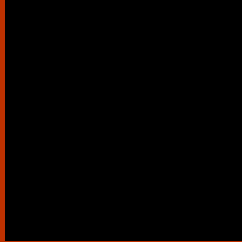
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1438, 0.6063, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 13.1438, 0.6063, 0.3568.



This preview shows how white text looks on a background with the Yxy color 13.1438, 0.6063, 0.3568.

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

13.1438, 0.6063, 0.3568

Protanopia

13.4033, 0.4282, 0.4757

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.2356, 0.5709, 0.3289

Trichromacy



Original Color

13.1438, 0.6063, 0.3568

Protanomaly

11.9690, 0.5069, 0.4234

Deuteranomaly

12.3166, 0.5298, 0.4175

Tritanomaly

13.2031, 0.5903, 0.3428

Monochromacy



Original Color

13.1438, 0.6063, 0.3568

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3260, 0.4460, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1438, 0.6063, 0.3568 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(190, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 49, 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(190, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 49, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1438, 0.6063, 0.3568 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(190, 49, 0) }
```

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

```
.border{ border-color:rgb(190, 49, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 49, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 49, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1438, 0.6063, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 49, 0) }
```

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

```
.background{ background-color: rgb(190, 49,  
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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