

Converting Colors

$Y_{xy}(13.3696, 0.6138, 0.3509)$

Have a look what the booklet for
Yxy(13.3696, 0.6138, 0.3509)
contains.

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Color

Yxy(13.4035, 0.6133, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	C32C00
RGB	195, 44, 0
RGB Percent	76%, 17%, 0%
CMY	0.2353, 0.8274, 0.9998
CMYK	0.00, 0.77, 1.00, 0.24
HSL	14°, 100%, 38%
HSV	14°, 100%, 76%
XYZ	23.4065, 13.4035, 1.3549
YIQ	84.1330, 104.1200, 18.3280

Conversions

Conversions Part 2

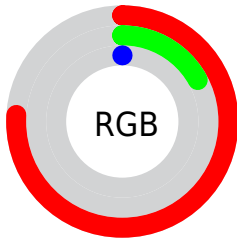
Format	Color
RYB	195, 57, 0
Decimal	12790784
CIELab	43.37, 57.52, 56.01
CIELCh	43, 80.283, 44.238
Yxy	13.4035, 0.6133, 0.3512
Android (android.graphics.Color)	4290980864 (0xFFC32C00)
YUV	84.1330, -41.4776, 97.2304
Hunter-Lab	36.6108, 50.0522, 23.4334

Details

The Yxy color **13.4035, 0.6133, 0.3512** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.0854, 0.2040, 0.2543**, and the grayscale version is **8.9684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0386, 0.5501, 0.3657**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.4014, 0.6133, 0.3512**, and if you desaturate by 10%, it is **14.7906, 0.5872, 0.3589**.

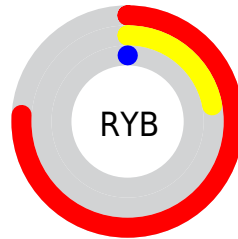
Distribution



Red (76%)

Green (17%)

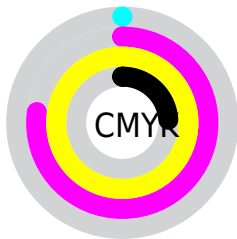
Blue (0%)



Red (76%)

Yellow (22%)

Blue (0%)

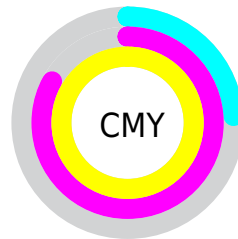


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (83%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4035, 0.6133, 0.3512 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 13.4035, 0.6133, 0.3512 by changing the saturation by 10% instead.


 13.4035, 0.6133,
0.3512

 13.4035, 0.6133,
0.3512


 213.4877, 0.4467,
0.3636


 7.7070, 0.6578,
0.3376


 32.0268, 0.5530,
0.3650


 3.9080, 0.6953,
0.3047

 45.7224, 0.5298,
0.3671

 1.6222, 0.7452,
0.2548

 62.8531, 0.5101,
0.3678

 0.3725, 0.8512,
0.1488

 83.8034, 0.4934,
0.3675


 0.0000, 1.0000,
0.0000


 108.9576, 0.4792,
0.3668


 0.0000, 0.0000,
0.0000


 138.7001, 0.4668,


0.3659

 173.4153, 0.4561,
0.3648


 13.4035, 0.6133,
0.3512


 13.4035, 0.6133,
0.3512

 13.4014, 0.6133,
0.3512

 14.7906, 0.5872,
0.3589

 16.6754, 0.5530,
0.3639

 19.1111, 0.5136,
0.3651

 22.1386, 0.4735,
0.3630

 25.7942, 0.4359,
0.3587

■ 30.1116, 0.4025,
0.3530

■ 35.1217, 0.3738,
0.3469

■ 40.8537, 0.3496,
0.3406

■ 47.3349, 0.3295,
0.3346

Harmonies

Analogous

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



13.4035, 0.5728, 0.2717



13.4035, 0.6133, 0.3512



13.4035, 0.5485, 0.4515

Triad

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



13.4035, 0.6133, 0.3512



13.4035, 0.1744, 0.5394



13.4035, 0.1462, 0.1231

Complementary

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



13.4035, 0.6133, 0.3512



26.0854, 0.2040, 0.2543

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.



13.4035, 0.0956, 0.1314



13.4035, 0.6133, 0.3512



13.4035, 0.1011, 0.3156

Square

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



13.4035, 0.6133, 0.3512



13.4035, 0.2933, 0.6475



13.4035, 0.0809, 0.1826



13.4035, 0.2505, 0.1456

Rectangle

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



13.4035, 0.6133, 0.3512



13.4035, 0.4697, 0.5303



13.4035, 0.0809, 0.1826



13.4035, 0.1244, 0.1222

Sweetspot

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



13.4043, 0.6133, 0.3512



62.4344, 0.3751, 0.3472



13.8950, 0.3849, 0.1894



12.7994, 0.3870, 0.3499



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



13.4043, 0.6133, 0.3512



23.6988, 0.6157, 0.3493



30.2891, 0.4803, 0.4568



10.4382, 0.3283, 0.3343



8.8163, 0.6111, 0.3530



0.4881, 0.5670, 0.3880

Inverse Universe

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



26.0854, 0.2040, 0.2543



46.3208, 0.2036, 0.2531



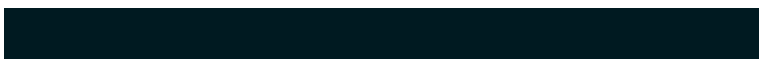
6.7000, 0.1598, 0.0954



11.0307, 0.2984, 0.3237



17.0823, 0.2043, 0.2554



0.8351, 0.2094, 0.2737

Previews

White Background



This preview shows how the Yxy color 13.4035, 0.6133, 0.3512 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 13.4035, 0.6133, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

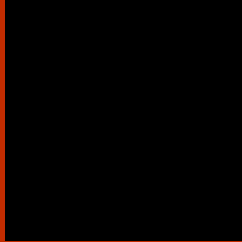
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4035, 0.6133, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 13.4035, 0.6133, 0.3512.



This preview shows how white text looks on a background with the Yxy color 13.4035, 0.6133, 0.3512.

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

13.4035, 0.6133, 0.3512

Protanopia

13.6755, 0.4276, 0.4751

Deuteranopia

13.5607, 0.4704, 0.4647



Tritanopia

13.3551, 0.5843, 0.3290

Trichromacy



Original Color

13.4035, 0.6133, 0.3512

Protanomaly

12.0888, 0.5119, 0.4187

Deuteranomaly

12.3188, 0.5368, 0.4120

Tritanomaly

13.3372, 0.5997, 0.3399

Monochromacy



Original Color

13.4035, 0.6133, 0.3512

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7984, 0.4549, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4035, 0.6133, 0.3512 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(195, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 44, 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(195, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 44, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4035, 0.6133, 0.3512 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(195, 44, 0) }
```

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

```
.border{ border-color:rgb(195, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 44, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4035, 0.6133, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 44, 0) }
```

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

```
.background{ background-color: rgb(195, 44,  
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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