

Converting Colors

$Y_{xy}(13.0161, 0.6375, 0.3320)$

Have a look what the booklet for
Yxy(13.0161, 0.6375, 0.3320)
contains.

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Color

Yxy(13.0110, 0.6376, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	CC0800
RGB	204, 8, 0
RGB Percent	80%, 3%, 0%
CMY	0.2000, 0.9683, 1.0000
CMYK	0.00, 0.96, 1.00, 0.20
HSL	2°, 100%, 40%
HSV	2°, 100%, 80%
XYZ	24.9874, 13.0110, 1.1914
YIQ	65.6920, 119.3840, 39.0640

Conversions

Conversions Part 2

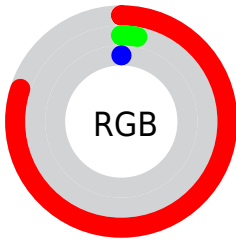
Format	Color
RYB	204, 8, 0
Decimal	13371392
CIELab	42.78, 66.94, 56.94
CIElCh	43, 87.887, 40.385
Yxy	13.0110, 0.6376, 0.3320
Android (android.graphics.Color)	4291561472 (0xFFCC0800)
YUV	65.6920, -32.3862, 121.2961
Hunter-Lab	36.0708, 60.5289, 23.2913

Details

The Yxy color **13.0110, 0.6376, 0.3320** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **43.8019, 0.2213, 0.3165**, and the grayscale version is **5.4423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3334, 0.5656, 0.3538**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.0121, 0.6375, 0.3320**, and if you desaturate by 10%, it is **13.7036, 0.6185, 0.3332**.

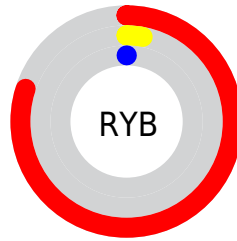
Distribution



Red (80%)

Green (3%)

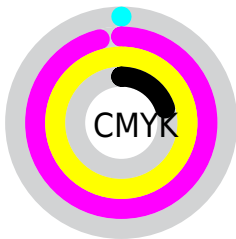
Blue (0%)



Red (80%)

Yellow (3%)

Blue (0%)

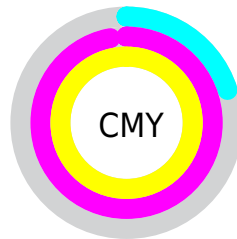


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0110, 0.6376, 0.3320 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 13.0110, 0.6376, 0.3320 by changing the saturation by 10% instead.


 13.0110, 0.6376,
0.3320


 13.0110, 0.6376,
0.3320


 210.9882, 0.4584,
0.3580


 7.4361, 0.6853,
0.3147


 31.3235, 0.5734,
0.3516


 3.7363, 0.7231,
0.2769

 44.8300, 0.5484,
0.3557

 1.5272, 0.7762,
0.2238

 61.7491, 0.5272,
0.3579

 0.3077, 0.8888,
0.1112

 82.4653, 0.5091,
0.3589


 0.0000, 1.0000,
0.0000


 107.3628, 0.4936,
0.3592


 0.0000, 0.0000,
0.0000


 136.8262, 0.4802,


0.3591

 171.2399, 0.4686,
0.3586


 13.0110, 0.6376,
0.3320


 13.0110, 0.6376,
0.3320


 13.0121, 0.6375,
0.3320

 13.7036, 0.6185,
0.3332

 15.0494, 0.5854,
0.3347

 17.1727, 0.5418,
0.3353

 20.1667, 0.4948,
0.3352

 24.1116, 0.4503,
0.3345

■ 29.0786, 0.4112,
0.3335

■ 35.1319, 0.3784,
0.3323

■ 42.3305, 0.3517,
0.3312

■ 50.7294, 0.3301,
0.3300

Harmonies

Analogous

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



13.0110, 0.5810, 0.2534



13.0110, 0.6376, 0.3320



13.0110, 0.5695, 0.4305

Triad

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



13.0110, 0.6376, 0.3320



13.0110, 0.1729, 0.5960



13.0110, 0.1257, 0.1103

Complementary

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



13.0110, 0.6376, 0.3320



43.8019, 0.2213, 0.3165

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.



13.0110, 0.0801, 0.1222



13.0110, 0.6376, 0.3320



13.0110, 0.0920, 0.3384

Square

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



13.0110, 0.6376, 0.3320



13.0110, 0.2993, 0.6759



13.0110, 0.0685, 0.1809



13.0110, 0.2258, 0.1293

Rectangle

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



13.0110, 0.6376, 0.3320



13.0110, 0.4856, 0.5144



13.0110, 0.0685, 0.1809



13.0110, 0.1058, 0.1106

Sweetspot

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



13.0121, 0.6375, 0.3320



57.7579, 0.3796, 0.3324



16.8769, 0.3295, 0.1589



11.4043, 0.3929, 0.3329



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.



13.0121, 0.6375, 0.3320



21.4792, 0.6382, 0.3315



23.7308, 0.5319, 0.4159



11.2837, 0.3289, 0.3300



8.2225, 0.6368, 0.3326



0.4497, 0.6259, 0.3412

Inverse Universe

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



43.8019, 0.2213, 0.3165



72.4656, 0.2212, 0.3164



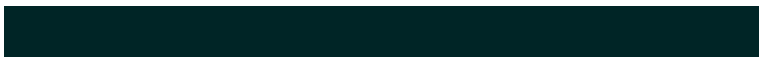
12.5795, 0.1738, 0.1457



12.6479, 0.2984, 0.3280



27.6044, 0.2213, 0.3167



1.4483, 0.2220, 0.3192

Previews

White Background



This preview shows how the Yxy color 13.0110, 0.6376, 0.3320 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 13.0110, 0.6376, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 13.0110, 0.6376, 0.3320.



This preview shows how white text looks on a background with the Yxy color 13.0110, 0.6376, 0.3320.

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

13.0110, 0.6376, 0.3320

Protanopia

13.4881, 0.4270, 0.4706

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.1623, 0.6333, 0.3353

Trichromacy



Original Color

13.0110, 0.6376, 0.3320

Protanomaly

10.4706, 0.5397, 0.3930

Deuteranomaly

10.9487, 0.5636, 0.3907

Tritanomaly

13.0382, 0.6351, 0.3339

Monochromacy



Original Color

13.0110, 0.6376, 0.3320

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.7569, 0.4986, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0110, 0.6376, 0.3320 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(204, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 8, 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(204, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 8, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0110, 0.6376, 0.3320 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(204, 8, 0) }
```

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

```
.border{ border-color:rgb(204, 8, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 8, 0); box-shadow:4px  
4px 4px 4px rgb(204, 8, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0110, 0.6376, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 8, 0) }
```

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

```
.background{ background-color: rgb(204, 8,  
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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