

Converting Colors

$Y_{xy}(13.1189, 0.6360, 0.3332)$

Have a look what the booklet for
Yxy(13.1189, 0.6360, 0.3332)
contains.

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Color

Yxy(13.1252, 0.6359, 0.3333)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CC0D00 |
| RGB | 204, 13, 0 |
| RGB Percent | 80%, 5%, 0% |
| CMY | 0.2001, 0.9484, 1.0000 |
| CMYK | 0.00, 0.94, 1.00, 0.20 |
| HSL | 4°, 100%, 40% |
| HSV | 4°, 100%, 80% |
| XYZ | 25.0414, 13.1252, 1.2129 |
| YIQ | 68.6270, 118.0090, 36.4490 |

Conversions

Conversions Part 2

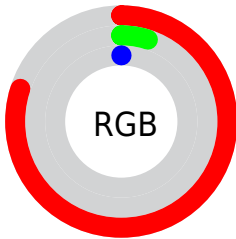
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 204, 14, 0 |
| Decimal | 13372672 |
| CIELab | 42.95, 66.44, 56.97 |
| CIElCh | 43, 87.520, 40.615 |
| Yxy | 13.1252, 0.6359, 0.3333 |
| Android (android.graphics.Color) | 4291562752 (0xFFCC0D00) |
| YUV | 68.6270, -33.8331, 118.7221 |
| Hunter-Lab | 36.2287, 59.9797, 23.3752 |

Details

The Yxy color **13.1252, 0.6359, 0.3333** 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 **41.5446, 0.2191, 0.3086**, and the grayscale version is **5.9431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4965, 0.5647, 0.3547**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1261, 0.6359, 0.3333**, and if you desaturate by 10%, it is **13.9320, 0.6156, 0.3357**.

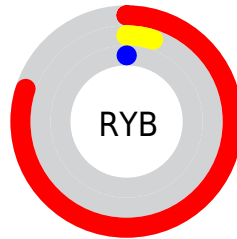
Distribution



Red (80%)

Green (5%)

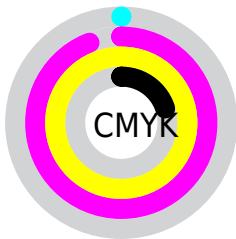
Blue (0%)



Red (80%)

Yellow (5%)

Blue (0%)

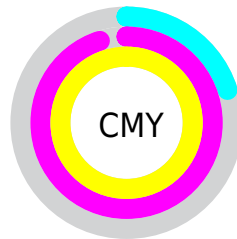


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1252, 0.6359, 0.3333 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 13.1252, 0.6359, 0.3333 by changing the saturation by 10% instead.


 13.1252, 0.6359,
0.3333


 13.1252, 0.6359,
0.3333


 211.7185, 0.4577,
0.3584


 7.5148, 0.6836,
0.3164


 31.5285, 0.5721,
0.3525


 3.7861, 0.7210,
0.2790

 45.0903, 0.5472,
0.3565


 1.5546, 0.7738,
0.2262

 62.0712, 0.5261,
0.3585

 0.3267, 0.8832,
0.1168

 82.8558, 0.5082,
0.3595


 0.0000, 1.0000,
0.0000


 107.8285, 0.4928,
0.3597


 0.0000, 0.0000,
0.0000


 137.3735, 0.4795,


0.3595


 171.8754, 0.4679,
0.3590


 13.1252, 0.6359,
0.3333

 13.1252, 0.6359,
0.3333


 13.1261, 0.6359,
0.3333

 13.9320, 0.6156,
0.3357

 15.3885, 0.5818,
0.3380

 17.6039, 0.5384,
0.3390

 20.6627, 0.4922,
0.3388

 24.6382, 0.4485,
0.3377

■ 29.5958, 0.4101,
0.3361

■ 35.5948, 0.3778,
0.3343

■ 42.6898, 0.3514,
0.3324

■ 50.9319, 0.3300,
0.3307

Harmonies

Analogous

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



13.1252, 0.5803, 0.2546



13.1252, 0.6359, 0.3333



13.1252, 0.5681, 0.4319

Triad

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



13.1252, 0.6359, 0.3333



13.1252, 0.1731, 0.5920



13.1252, 0.1271, 0.1112

Complementary

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



13.1252, 0.6359, 0.3333



41.5446, 0.2191, 0.3086

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.



13.1252, 0.0811, 0.1228



13.1252, 0.6359, 0.3333



13.1252, 0.0927, 0.3369

Square

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



13.1252, 0.6359, 0.3333



13.1252, 0.2990, 0.6737



13.1252, 0.0694, 0.1811



13.1252, 0.2274, 0.1304

Rectangle

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



13.1252, 0.6359, 0.3333



13.1252, 0.4845, 0.5155



13.1252, 0.0694, 0.1811



13.1252, 0.1070, 0.1114

Sweetspot

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



13.1261, 0.6359, 0.3333



58.5402, 0.3790, 0.3344



16.7195, 0.3339, 0.1613



11.5815, 0.3921, 0.3352



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.



13.1261, 0.6359, 0.3333



21.6438, 0.6367, 0.3326



24.4643, 0.5270, 0.4198



11.3278, 0.3289, 0.3306



8.3122, 0.6348, 0.3342



0.4704, 0.6176, 0.3478

Inverse Universe

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



41.5446, 0.2191, 0.3086



68.6947, 0.2190, 0.3084



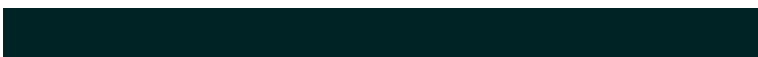
11.9766, 0.1723, 0.1404



12.5983, 0.2984, 0.3274



26.2076, 0.2192, 0.3089



1.3903, 0.2203, 0.3131

Previews

White Background



This preview shows how the Yxy color 13.1252, 0.6359, 0.3333 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 13.1252, 0.6359, 0.3333 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 13.1252, 0.6359, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 13.1252, 0.6359, 0.3333.



This preview shows how white text looks on a background with the Yxy color 13.1252, 0.6359, 0.3333.

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

13.1252, 0.6359, 0.3333

Protanopia

13.4881, 0.4270, 0.4706

Deuteranopia

13.4812, 0.4690, 0.4658

Trichromacy



Original Color

13.1252, 0.6359, 0.3333

Protanomaly

10.7167, 0.5361, 0.3961

Deuteranomaly

11.1824, 0.5600, 0.3936

Monochromacy



Original Color

13.1252, 0.6359, 0.3333

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.2300, 0.4914, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1252, 0.6359, 0.3333 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 13, 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, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 13, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1252, 0.6359, 0.3333 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, 13, 0) }
```

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

```
.border{ border-color:rgb(204, 13, 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, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.1252, 0.6359, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 13, 0) }
```

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

```
.background{ background-color: rgb(204, 13,  
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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