

Converting Colors

$Y_{xy}(13.0223, 0.6333, 0.3354)$

Have a look what the booklet for
Yxy(13.0223, 0.6333, 0.3354)
contains.

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Color

Yxy(13.0223, 0.6333, 0.3354)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CA1300 |
| RGB | 202, 19, 0 |
| RGB Percent | 79%, 7%, 0% |
| CMY | 0.2079, 0.9253, 1.0000 |
| CMYK | 0.00, 0.91, 1.00, 0.21 |
| HSL | 6°, 100%, 40% |
| HSV | 6°, 100%, 79% |
| XYZ | 24.5886, 13.0223, 1.2153 |
| YIQ | 71.5510, 115.1670, 32.8870 |

Conversions

Conversions Part 2

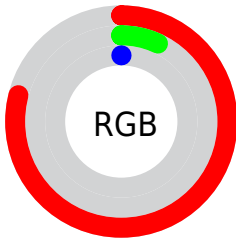
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 202, 21, 0 |
| Decimal | 13243136 |
| CIELab | 42.80, 65.16, 56.68 |
| CIElCh | 43, 86.359, 41.019 |
| Yxy | 13.0223, 0.6333, 0.3354 |
| Android (android.graphics.Color) | 4291433216 (0xFFCA1300) |
| YUV | 71.5510, -35.2746, 114.4038 |
| Hunter-Lab | 36.0864, 58.4753, 23.2638 |

Details

The Yxy color **13.0223, 0.6333, 0.3354** 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 **38.1064, 0.2164, 0.2990**, and the grayscale version is **6.4514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8294, 0.5629, 0.3564**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.0233, 0.6332, 0.3354**, and if you desaturate by 10%, it is **13.9518, 0.6114, 0.3391**.

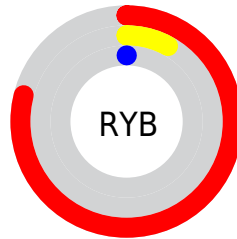
Distribution



Red (79%)

Green (7%)

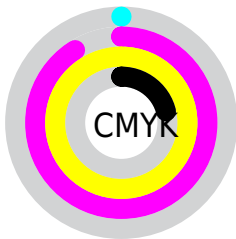
Blue (0%)



Red (79%)

Yellow (8%)

Blue (0%)

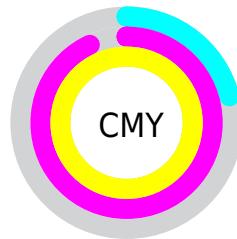


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0223, 0.6333, 0.3354 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 13.0223, 0.6333, 0.3354 by changing the saturation by 10% instead.


 13.0223, 0.6333,
0.3354


 13.0223, 0.6333,
0.3354


 211.0605, 0.4561,
0.3590


 7.4439, 0.6811,
0.3189


 31.3438, 0.5697,
0.3540


 3.7412, 0.7184,
0.2816


 44.8558, 0.5449,
0.3578

 1.5299, 0.7712,
0.2288


 61.7810, 0.5240,
0.3597

 0.3096, 0.8847,
0.1153

 82.5039, 0.5062,
0.3605


 0.0000, 1.0000,
0.0000


 107.4090, 0.4909,
0.3606


 0.0000, 0.0000,
0.0000


 136.8805, 0.4777,


0.3603

 171.3029, 0.4662,
0.3597

 13.0223, 0.6333,
0.3354


 13.0223, 0.6333,
0.3354


 13.0233, 0.6332,
0.3354

 13.9518, 0.6114,
0.3391

 15.5054, 0.5770,
0.3422

 17.7773, 0.5340,
0.3436

 20.8410, 0.4888,
0.3432

 24.7605, 0.4461,
0.3416

■ 29.5936, 0.4087,
0.3393

■ 35.3929, 0.3771,
0.3366

■ 42.2070, 0.3511,
0.3340

■ 50.0812, 0.3299,
0.3314

Harmonies

Analogous

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



13.0223, 0.5795, 0.2566



13.0223, 0.6333, 0.3354



13.0223, 0.5658, 0.4342

Triad

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



13.0223, 0.6333, 0.3354



13.0223, 0.1733, 0.5857



13.0223, 0.1292, 0.1125

Complementary

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



13.0223, 0.6333, 0.3354



38.1064, 0.2164, 0.2990

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.



13.0223, 0.0827, 0.1238



13.0223, 0.6333, 0.3354



13.0223, 0.0936, 0.3342

Square

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



13.0223, 0.6333, 0.3354



13.0223, 0.2983, 0.6706



13.0223, 0.0706, 0.1813



13.0223, 0.2301, 0.1321

Rectangle

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



13.0223, 0.6333, 0.3354



13.0223, 0.4827, 0.5173



13.0223, 0.0706, 0.1813



13.0223, 0.1090, 0.1126

Sweetspot

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



13.0233, 0.6332, 0.3354



59.4928, 0.3783, 0.3368



16.0653, 0.3432, 0.1664



11.7980, 0.3911, 0.3379



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.



13.0233, 0.6332, 0.3354



21.9155, 0.6344, 0.3345



25.4726, 0.5172, 0.4275



11.3810, 0.3288, 0.3312



8.4399, 0.6319, 0.3364



0.4952, 0.6082, 0.3553

Inverse Universe

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



38.1064, 0.2164, 0.2990



64.3418, 0.2163, 0.2985



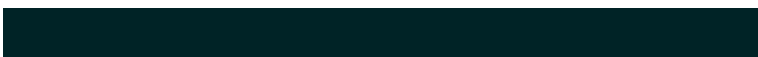
10.6302, 0.1695, 0.1302



12.5390, 0.2983, 0.3267



24.5935, 0.2165, 0.2994



1.3227, 0.2182, 0.3056

Previews

White Background



This preview shows how the Yxy color 13.0223, 0.6333, 0.3354 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 13.0223, 0.6333, 0.3354 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 13.0223, 0.6333, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 13.0223, 0.6333, 0.3354.



This preview shows how white text looks on a background with the Yxy color 13.0223, 0.6333, 0.3354.

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

13.0223, 0.6333, 0.3354

Protanopia

13.4199, 0.4255, 0.4716

Deuteranopia

13.4025, 0.4676, 0.4669



Tritanopia

13.0398, 0.6297, 0.3333

Trichromacy



Original Color

13.0223, 0.6333, 0.3354

Protanomaly

10.8782, 0.5313, 0.4000

Deuteranomaly

11.3242, 0.5555, 0.3971

Tritanomaly

13.0333, 0.6310, 0.3341

Monochromacy



Original Color

13.0223, 0.6333, 0.3354

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.6654, 0.4828, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0223, 0.6333, 0.3354 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(202, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 19, 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(202, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 19, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0223, 0.6333, 0.3354 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(202, 19, 0) }
```

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

```
.border{ border-color:rgb(202, 19, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 19, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 19, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0223, 0.6333, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 19, 0) }
```

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

```
.background{ background-color: rgb(202, 19,  
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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