

Converting Colors

$Y_{xy}(10.1825, 0.6393, 0.3306)$

Have a look what the booklet for
Yxy(10.1825, 0.6393, 0.3306)
contains.

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Color

Yxy(10.2338, 0.6393, 0.3306)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B80200 |
| RGB | 184, 2, 0 |
| RGB Percent | 72%, 1%, 0% |
| CMY | 0.2784, 0.9921, 1.0000 |
| CMYK | 0.00, 0.99, 1.00, 0.28 |
| HSL | 1°, 100%, 36% |
| HSV | 1°, 100%, 72% |
| XYZ | 19.7897, 10.2338, 0.9318 |
| YIQ | 56.1900, 109.1140, 37.9620 |

Conversions

Conversions Part 2

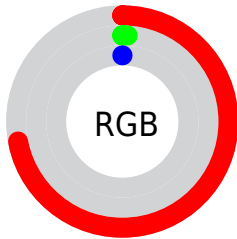
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 184, 2, 0 |
| Decimal | 12059136 |
| CIELab | 38.26, 62.47, 52.64 |
| CIELCh | 38, 81.693, 40.115 |
| Yxy | 10.2338, 0.6393, 0.3306 |
| Android (android.graphics.Color) | 4290249216 (0xFFB80200) |
| YUV | 56.1900, -27.7017, 112.0894 |
| Hunter-Lab | 31.9903, 54.4397, 20.6663 |

Details

The Yxy color **10.2338, 0.6393, 0.3306** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **36.9144, 0.2237, 0.3254**, and the grayscale version is **4.0073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2549, 0.5702, 0.3516**, and **3.9931, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.2345, 0.6393, 0.3306**, and if you desaturate by 10%, it is **10.7436, 0.6199, 0.3308**.

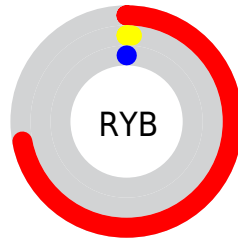
Distribution



Red (72%)

Green (1%)

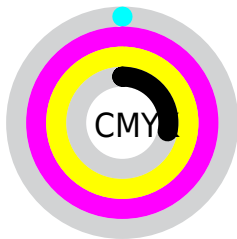
Blue (0%)



Red (72%)

Yellow (1%)

Blue (0%)

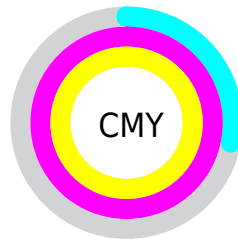


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (99%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2338, 0.6393, 0.3306 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 10.2338, 0.6393, 0.3306 by changing the saturation by 10% instead.


 10.2338, 0.6393,
0.3306


 10.2338, 0.6393,
0.3306


 192.3327, 0.4524,
0.3571


 5.5542, 0.6898,
0.3102

 26.2343, 0.5704,
0.3515


 2.5760, 0.7326,
0.2674

 38.3241, 0.5441,
0.3556


 0.9146, 0.7949,
0.2051

 53.6527, 0.5220,
0.3576

 0.0000, 1.0000,
0.0000

 72.6046, 0.5035,
0.3585


 0.0000, 0.0000,
0.0000


 95.5642, 0.4877,
0.3586


 122.9158, 0.4742,

0.3583


 155.0438, 0.4625,
0.3578


 10.2338, 0.6393,
0.3306


 10.2338, 0.6393,
0.3306

 10.2345, 0.6393,
0.3306

 10.7436, 0.6199,
0.3308

 11.7357, 0.5870,
0.3311

 13.3563, 0.5432,
0.3312

 15.6860, 0.4959,
0.3311

 18.7936, 0.4509,
0.3308

■ 22.7394, 0.4114,
0.3304

■ 27.5783, 0.3784,
0.3301

■ 33.3601, 0.3516,
0.3297

■ 40.1310, 0.3300,
0.3293

Harmonies

Analogous

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



10.2338, 0.5814, 0.2520



10.2338, 0.6393, 0.3306



10.2338, 0.5710, 0.4290

Triad

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



10.2338, 0.6393, 0.3306



10.2338, 0.1728, 0.6002



10.2338, 0.1243, 0.1094

Complementary

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



10.2338, 0.6393, 0.3306



36.9144, 0.2237, 0.3254

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.



10.2338, 0.0790, 0.1215



10.2338, 0.6393, 0.3306



10.2338, 0.0913, 0.3403

Square

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



10.2338, 0.6393, 0.3306



10.2338, 0.3017, 0.6821



10.2338, 0.0677, 0.1809



10.2338, 0.2241, 0.1282

Rectangle

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



10.2338, 0.6393, 0.3306



10.2338, 0.4868, 0.5132



10.2338, 0.0677, 0.1809



10.2338, 0.1046, 0.1098

Sweetspot

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



10.2345, 0.6393, 0.3306



49.5104, 0.3799, 0.3301



13.6517, 0.3209, 0.1542



9.8463, 0.3931, 0.3302



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



10.2345, 0.6393, 0.3306



18.5296, 0.6395, 0.3304



17.8455, 0.5407, 0.4089



9.0275, 0.3287, 0.3293



7.0600, 0.6391, 0.3307



0.2542, 0.6351, 0.3339

Inverse Universe

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



36.9144, 0.2237, 0.3254



66.8891, 0.2237, 0.3254



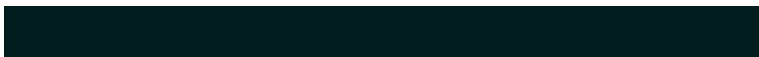
11.1155, 0.1772, 0.1578



10.1933, 0.2985, 0.3287



25.4471, 0.2238, 0.3255



0.9025, 0.2240, 0.3264

Previews

White Background



This preview shows how the Yxy color 10.2338, 0.6393, 0.3306 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 10.2338, 0.6393, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 10.2338, 0.6393, 0.3306.



This preview shows how white text looks on a background with the Yxy color 10.2338, 0.6393, 0.3306.

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

10.2338, 0.6393, 0.3306

Protanopia

10.8377, 0.4244, 0.4699

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.4682, 0.6328, 0.3358

Trichromacy



Original Color

10.2338, 0.6393, 0.3306

Protanomaly

8.2528, 0.5398, 0.3916

Deuteranomaly

8.5890, 0.5648, 0.3897

Tritanomaly

10.3302, 0.6353, 0.3338

Monochromacy



Original Color

10.2338, 0.6393, 0.3306

Achromatopsia

3.9546, 0.3127, 0.3290

Achromatomaly

4.2727, 0.5047, 0.3296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2338, 0.6393, 0.3306 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(184, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 2, 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(184, 2, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 2, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.2338, 0.6393, 0.3306 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(184, 2, 0) }
```

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

```
.border{ border-color:rgb(184, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(184, 2, 0); box-shadow:4px  
4px 4px 4px rgb(184, 2, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2338, 0.6393, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 2, 0) }
```

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

```
.background{ background-color: rgb(184, 2,  
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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