

Converting Colors

$Y_{xy}(10.1547, 0.6365, 0.3280)$

Have a look what the booklet for
Yxy(10.1547, 0.6365, 0.3280)
contains.

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Color

Yxy(10.2035, 0.6366, 0.3281)

Conversions

Conversions Part 1

Format	Color
Hex	B80006
RGB	184, 0, 6
RGB Percent	72%, 0%, 2%
CMY	0.2785, 0.9995, 0.9765
CMYK	0.00, 1.00, 0.97, 0.28
HSL	358°, 100%, 36%
HSV	358°, 100%, 72%
XYZ	19.7975, 10.2035, 1.0978
YIQ	55.7000, 107.7380, 40.8740

Conversions

Conversions Part 2

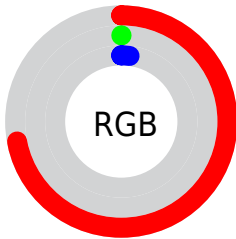
Format	Color
R_{YB}	184, 0, 6
Decimal	12058630
CIE Lab	38.21, 62.74, 50.25
CIE LCh	38, 80.387, 38.690
Yxy	10.2035, 0.6366, 0.3281
Android (android.graphics.Color)	4290248710 (0xFFB80006)
YUV	55.7000, -24.5021, 112.5191
Hunter-Lab	31.9429, 54.7300, 20.3224

Details

The Yxy color **10.2035, 0.6366, 0.3281** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **37.4948, 0.2274, 0.3385**, and the grayscale version is **3.9441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1529, 0.5669, 0.3478**, and **3.9931, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.2014, 0.6367, 0.3281**, and if you desaturate by 10%, it is **10.7031, 0.6160, 0.3272**.

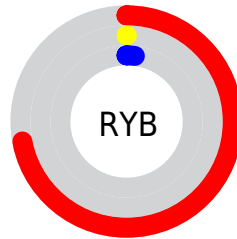
Distribution



Red (72%)

Green (0%)

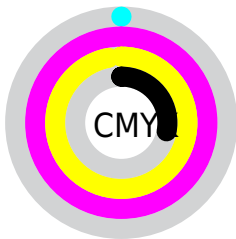
Blue (2%)



Red (72%)

Yellow (0%)

Blue (2%)

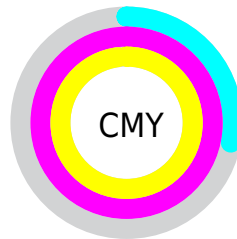


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2035, 0.6366, 0.3281 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 10.2035, 0.6366, 0.3281 by changing the saturation by 10% instead.


 10.2035, 0.6366,
0.3281


 10.2035, 0.6366,
0.3281


 192.1184, 0.4495,
0.3544


 5.5341, 0.6906,
0.3094

 26.1776, 0.5667,
0.3484


 2.5639, 0.7336,
0.2664

 38.2510, 0.5404,
0.3524


 0.9086, 0.7961,
0.2039

 53.5613, 0.5184,
0.3544

 0.0000, 1.0000,
0.0000


 72.4927, 0.5000,
0.3554


 0.0000, 0.0000,
0.0000


 95.4298, 0.4844,
0.3556


 122.7568, 0.4711,


0.3554


 154.8582, 0.4596,
0.3550

 10.2035, 0.6366,
0.3281


 10.2035, 0.6366,
0.3281


 10.2014, 0.6367,
0.3281

 10.7031, 0.6160,
0.3272

 11.6706, 0.5817,
0.3259

 13.2707, 0.5377,
0.3251

 15.5865, 0.4909,
0.3250

 18.6886, 0.4468,
0.3253

■ 22.6391, 0.4084,
0.3259

■ 27.4938, 0.3764,
0.3267

■ 33.3039, 0.3503,
0.3275

■ 40.1167, 0.3294,
0.3283

Harmonies

Analogous

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



10.2035, 0.5712, 0.2497



10.2035, 0.6366, 0.3281



10.2035, 0.5751, 0.4249

Triad

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



10.2035, 0.6366, 0.3281



10.2035, 0.1805, 0.6054



10.2035, 0.1229, 0.1111

Complementary

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



10.2035, 0.6366, 0.3281



37.4948, 0.2274, 0.3385

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.



10.2035, 0.0796, 0.1250



10.2035, 0.6366, 0.3281



10.2035, 0.0960, 0.3516

Square

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



10.2035, 0.6366, 0.3281



10.2035, 0.3103, 0.6752



10.2035, 0.0698, 0.1876



10.2035, 0.2189, 0.1284

Rectangle

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



10.2035, 0.6366, 0.3281



10.2035, 0.4932, 0.5068



10.2035, 0.0698, 0.1876



10.2035, 0.1039, 0.1119

Sweetspot

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



10.2042, 0.6366, 0.3281



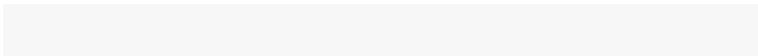
49.3060, 0.3780, 0.3266



12.9106, 0.3126, 0.1496



9.8000, 0.3908, 0.3263



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.



10.2042, 0.6366, 0.3281



18.4896, 0.6376, 0.3286



16.8319, 0.5503, 0.4012



9.0167, 0.3283, 0.3283



7.0340, 0.6359, 0.3277



0.2495, 0.6196, 0.3187

Inverse Universe

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



10.2042, 0.6366, 0.3281



18.4896, 0.6376, 0.3286



12.2298, 0.1804, 0.1692



9.0167, 0.3283, 0.3283



7.0340, 0.6359, 0.3277



0.2495, 0.6196, 0.3187

Previews

White Background



This preview shows how the Yxy color 10.2035, 0.6366, 0.3281 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 10.2035, 0.6366, 0.3281

Background



This preview shows how black text looks on a background with the Yxy color 10.2035, 0.6366, 0.3281.



This preview shows how white text looks on a background with the Yxy color 10.2035, 0.6366, 0.3281.

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

10.2035, 0.6366, 0.3281

Protanopia

10.8419, 0.4235, 0.4686

Deuteranopia

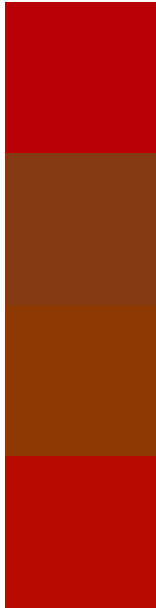
10.7614, 0.4688, 0.4660



Tritanopia

10.4682, 0.6328, 0.3358

Trichromacy



Original Color

10.2035, 0.6366, 0.3281

Protanomaly

8.1581, 0.5389, 0.3875

Deuteranomaly

8.4954, 0.5654, 0.3871

Tritanomaly

10.3110, 0.6345, 0.3328

Monochromacy



Original Color

10.2035, 0.6366, 0.3281

Achromatopsia

3.9546, 0.3127, 0.3290

Achromatomaly

4.2853, 0.4990, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2035, 0.6366, 0.3281 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, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 6)  
}
```

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, 0, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 6) }
```

Border

The CSS property to change the border of an element to Yxy 10.2035, 0.6366, 0.3281 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, 0, 6) }
```

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

```
.border{ border-color:rgb(184, 0, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(184, 0, 6); box-shadow:4px  
4px 4px 4px rgb(184, 0, 6) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2035, 0.6366, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 6) }
```

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

```
.background{ background-color: rgb(184, 0,  
6) }
```

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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