

Converting Colors

$Yxy(10.8405, 0.6397, 0.3303)$

Have a look what the booklet for
Yxy(10.8405, 0.6397, 0.3303)
contains.

Yxy(10.8405, 0.6397, 0.3303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.8405, 0.6397, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	BD0100
RGB	189, 1, 0
RGB Percent	74%, 0%, 0%
CMY	0.2589, 0.9957, 1.0000
CMYK	0.00, 0.99, 1.00, 0.26
HSL	0°, 100%, 37%
HSV	0°, 100%, 74%
XYZ	20.9951, 10.8405, 0.9846
YIQ	57.0980, 112.3690, 39.5450

Conversions

Conversions Part 2

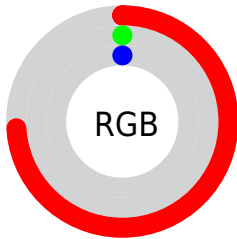
Format	Color
RYB	189, 1, 0
Decimal	12386560
CIELab	39.31, 63.84, 53.70
CIElCh	39, 83.419, 40.067
Yxy	10.8405, 0.6397, 0.3303
Android (android.graphics.Color)	4290576640 (0xFFBD0100)
YUV	57.0980, -28.1493, 115.6781
Hunter-Lab	32.9249, 56.2046, 21.2744

Details

The Yxy color **10.8405, 0.6397, 0.3303** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **39.5932, 0.2242, 0.3270**, and the grayscale version is **4.1394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3444, 0.5711, 0.3510**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.8413, 0.6397, 0.3303**, and if you desaturate by 10%, it is **11.3605, 0.6208, 0.3304**.

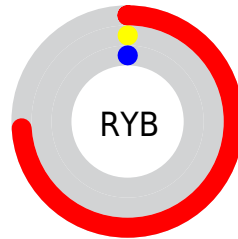
Distribution



Red (74%)

Green (0%)

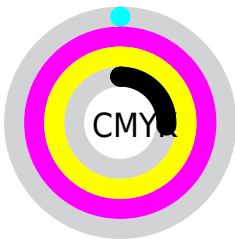
Blue (0%)



Red (74%)

Yellow (0%)

Blue (0%)

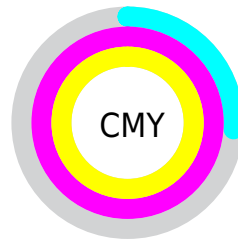


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8405, 0.6397, 0.3303 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 10.8405, 0.6397, 0.3303 by changing the saturation by 10% instead.


 10.8405, 0.6397,
0.3303


 10.8405, 0.6397,
0.3303


 196.5700, 0.4542,
0.3572


 5.9597, 0.6895,
0.3105

 27.3648, 0.5718,
0.3511


 2.8206, 0.7311,
0.2689

 39.7772, 0.5458,
0.3552


 1.0388, 0.7911,
0.2089

 55.4688, 0.5239,
0.3574

 0.0000, 1.0000,
0.0000


 74.8241, 0.5054,
0.3583


 0.0000, 0.0000,
0.0000


 98.2274, 0.4897,
0.3585


 126.0633, 0.4761,

0.3583


 158.7160, 0.4644,
0.3578


 10.8405, 0.6397,
0.3303


 10.8405, 0.6397,
0.3303


 10.8413, 0.6397,
0.3303

 11.3605, 0.6208,
0.3304

 12.3860, 0.5882,
0.3305

 14.0824, 0.5445,
0.3305

 16.5377, 0.4969,
0.3304

 19.8269, 0.4516,
0.3302

■ 24.0156, 0.4119,
0.3299

■ 29.1632, 0.3787,
0.3297

■ 35.3238, 0.3517,
0.3294

■ 42.5477, 0.3301,
0.3292

Harmonies

Analogous

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



10.8405, 0.5816, 0.2518



10.8405, 0.6397, 0.3303



10.8405, 0.5713, 0.4287

Triad

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



10.8405, 0.6397, 0.3303



10.8405, 0.1727, 0.6011



10.8405, 0.1240, 0.1092

Complementary

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



10.8405, 0.6397, 0.3303



39.5932, 0.2242, 0.3270

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.



10.8405, 0.0788, 0.1214



10.8405, 0.6397, 0.3303



10.8405, 0.0912, 0.3406

Square

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



10.8405, 0.6397, 0.3303



10.8405, 0.3012, 0.6815



10.8405, 0.0675, 0.1808



10.8405, 0.2237, 0.1280

Rectangle

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



10.8405, 0.6397, 0.3303



10.8405, 0.4870, 0.5130



10.8405, 0.0675, 0.1808



10.8405, 0.1043, 0.1096

Sweetspot

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



10.8413, 0.6397, 0.3303



51.7546, 0.3802, 0.3297



14.4911, 0.3209, 0.1542



10.2550, 0.3935, 0.3298



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



10.8413, 0.6397, 0.3303



19.4074, 0.6398, 0.3302



18.9111, 0.5409, 0.4087



9.5450, 0.3288, 0.3292



7.2992, 0.6396, 0.3304



0.2890, 0.6376, 0.3320

Inverse Universe

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



39.5932, 0.2242, 0.3270



70.9071, 0.2242, 0.3270



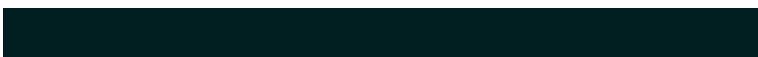
11.7673, 0.1771, 0.1575



10.7998, 0.2985, 0.3288



26.6472, 0.2242, 0.3270



1.0469, 0.2243, 0.3274

Previews

White Background



This preview shows how the Yxy color 10.8405, 0.6397, 0.3303 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 10.8405, 0.6397, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 10.8405, 0.6397, 0.3303.



This preview shows how white text looks on a background with the Yxy color 10.8405, 0.6397, 0.3303.

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

10.8405, 0.6397, 0.3303

Protanopia

11.5575, 0.4247, 0.4714

Deuteranopia

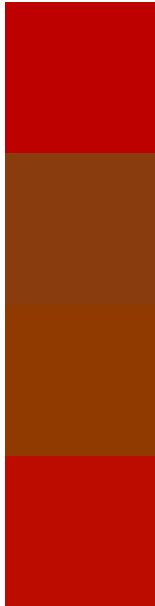
11.4752, 0.4675, 0.4670



Tritanopia

11.1240, 0.6327, 0.3358

Trichromacy



Original Color

10.8405, 0.6397, 0.3303

Protanomaly

8.6903, 0.5424, 0.3905

Deuteranomaly

9.0459, 0.5664, 0.3885

Tritanomaly

10.9543, 0.6355, 0.3336

Monochromacy



Original Color

10.8405, 0.6397, 0.3303

Achromatopsia

4.0915, 0.3127, 0.3290

Achromatomaly

4.4538, 0.5068, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8405, 0.6397, 0.3303 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(189, 1, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 1, 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(189, 1, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 1, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.8405, 0.6397, 0.3303 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(189, 1, 0) }
```

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

```
.border{ border-color:rgb(189, 1, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 1, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 1, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(189, 1, 0); box-shadow:4px  
4px 4px 4px rgb(189, 1, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8405, 0.6397, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 1, 0) }
```

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

```
.background{ background-color: rgb(189, 1,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor