

Converting Colors

$Y_{xy}(10.8021, 0.6347, 0.3270)$

Have a look what the booklet for
Yxy(10.8021, 0.6347, 0.3270)
contains.

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Color

Yxy(10.8407, 0.6347, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	BD000A
RGB	189, 0, 10
RGB Percent	74%, 0%, 4%
CMY	0.2588, 0.9999, 0.9609
CMYK	0.00, 1.00, 0.95, 0.26
HSL	357°, 100%, 37%
HSV	357°, 100%, 74%
XYZ	21.0416, 10.8407, 1.2697
YIQ	57.6510, 109.4340, 43.1780

Conversions

Conversions Part 2

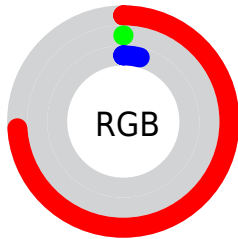
Format	Color
RYB	189, 0, 10
Decimal	12386314
CIELab	39.31, 64.06, 50.01
CIELCh	39, 81.270, 37.977
Yxy	10.8407, 0.6347, 0.3270
Android (android.graphics.Color)	4290576394 (0xFFBD000A)
YUV	57.6510, -23.4919, 115.1931
Hunter-Lab	32.9252, 56.4551, 20.7612

Details

The Yxy color **10.8407, 0.6347, 0.3270** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **39.6532, 0.2292, 0.3450**, and the grayscale version is **4.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4109, 0.5652, 0.3470**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.8410, 0.6347, 0.3270**, and if you desaturate by 10%, it is **11.3654, 0.6131, 0.3252**.

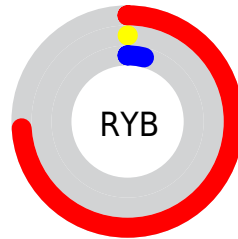
Distribution



Red (74%)

Green (0%)

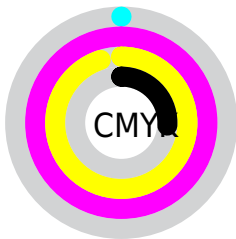
Blue (4%)



Red (74%)

Yellow (0%)

Blue (4%)

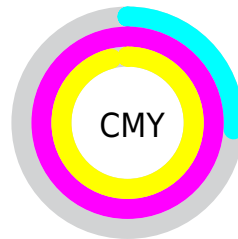


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (26%)



Cyan (26%)


Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8407, 0.6347, 0.3270 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 10.8407, 0.6347, 0.3270 by changing the saturation by 10% instead.


 10.8407, 0.6347,
0.3270


 10.8407, 0.6347,
0.3270


 196.5714, 0.4496,
0.3532


 5.9598, 0.6887,
0.3094

 27.3652, 0.5656,
0.3467


 2.8207, 0.7317,
0.2683

 39.7776, 0.5396,
0.3507


 1.0388, 0.7917,
0.2083

 55.4694, 0.5179,
0.3528

 0.0000, 1.0000,
0.0000

 74.8248, 0.4997,
0.3538

 0.0000, 0.0000,
0.0000

 98.2283, 0.4842,
0.3541


 126.0643, 0.4710,

0.3540

 158.7172, 0.4596,
0.3537


 10.8407, 0.6347,
0.3270


 10.8407, 0.6347,
0.3270


 10.8410, 0.6347,
0.3270

 11.3654, 0.6131,
0.3252

 12.3893, 0.5781,
0.3232

 14.0842, 0.5340,
0.3221

 16.5385, 0.4877,
0.3220

 19.8274, 0.4444,
0.3226

■ 24.0168, 0.4067,
0.3237

■ 29.1661, 0.3753,
0.3250

■ 35.3298, 0.3497,
0.3264

■ 42.5580, 0.3292,
0.3277

Harmonies

Analogous

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



10.8407, 0.5657, 0.2487



10.8407, 0.6347, 0.3270



10.8407, 0.5769, 0.4231

Triad

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



10.8407, 0.6347, 0.3270



10.8407, 0.1846, 0.6071



10.8407, 0.1224, 0.1121

Complementary

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



10.8407, 0.6347, 0.3270



39.6532, 0.2292, 0.3450

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.



10.8407, 0.0801, 0.1270



10.8407, 0.6347, 0.3270



10.8407, 0.0987, 0.3573

Square

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



10.8407, 0.6347, 0.3270



10.8407, 0.3142, 0.6698



10.8407, 0.0711, 0.1912



10.8407, 0.2166, 0.1287

Rectangle

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



10.8407, 0.6347, 0.3270



10.8407, 0.4963, 0.5037



10.8407, 0.0711, 0.1912



10.8407, 0.1038, 0.1133

Sweetspot

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



10.8414, 0.6347, 0.3270



51.7426, 0.3767, 0.3250



12.9519, 0.3042, 0.1450



10.2524, 0.3893, 0.3244



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.



10.8414, 0.6347, 0.3270



19.4053, 0.6361, 0.3278



16.8404, 0.5604, 0.3932



9.5443, 0.3280, 0.3278



7.2975, 0.6334, 0.3263



0.2887, 0.6088, 0.3128

Inverse Universe

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



10.8414, 0.6347, 0.3270



19.4053, 0.6361, 0.3278



14.2125, 0.1835, 0.1804



9.5443, 0.3280, 0.3278



7.2975, 0.6334, 0.3263



0.2887, 0.6088, 0.3128

Previews

White Background



This preview shows how the Yxy color 10.8407, 0.6347, 0.3270 looks on a white background.

Color Contrast Check

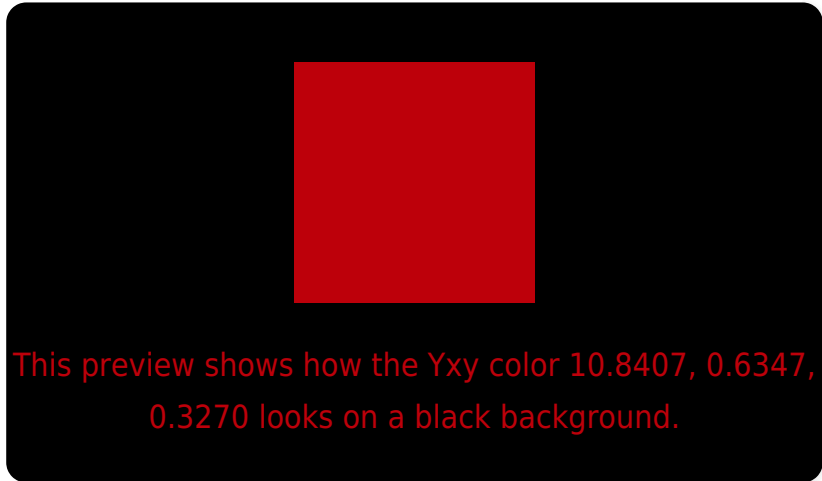
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8407, 0.6347, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 10.8407, 0.6347, 0.3270.



This preview shows how white text looks on a background with the Yxy color 10.8407, 0.6347, 0.3270.

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

10.8407, 0.6347, 0.3270

Protanopia

11.5754, 0.4214, 0.4665

Deuteranopia

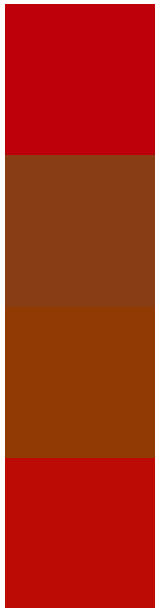
11.4752, 0.4675, 0.4670



Tritanopia

11.0923, 0.6332, 0.3354

Trichromacy



Original Color

10.8407, 0.6347, 0.3270

Protanomaly

8.7100, 0.5367, 0.3857

Deuteranomaly

9.0546, 0.5638, 0.3864

Tritanomaly

10.9395, 0.6338, 0.3320

Monochromacy



Original Color

10.8407, 0.6347, 0.3270

Achromatopsia

4.2311, 0.3127, 0.3290

Achromatomaly

4.5474, 0.4948, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8407, 0.6347, 0.3270 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, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 10)  
}
```

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, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 10) }
```

Border

The CSS property to change the border of an element to Yxy 10.8407, 0.6347, 0.3270 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, 0, 10) }
```

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

```
.border{ border-color:rgb(189, 0, 10) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8407, 0.6347, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 10) }
```

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

```
.background{ background-color: rgb(189, 0,  
10) }
```

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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