

Converting Colors

$Y_{xy}(10.8479, 0.6329, 0.3260)$

Have a look what the booklet for
Yxy(10.8479, 0.6329, 0.3260)
contains.

Yxy(10.8479, 0.6329, 0.3260)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.8479, 0.6329, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	BD000D
RGB	189, 0, 13
RGB Percent	74%, 0%, 5%
CMY	0.2588, 1.0000, 0.9487
CMYK	0.00, 1.00, 0.93, 0.26
HSL	356°, 100%, 37%
HSV	356°, 100%, 74%
XYZ	21.0602, 10.8479, 1.3676
YIQ	57.9930, 108.4710, 44.1110

Conversions

Conversions Part 2

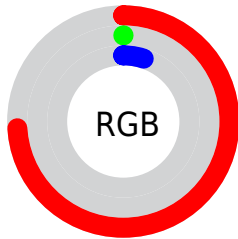
Format	Color
RYB	189, 0, 13
Decimal	12386317
CIELab	39.32, 64.10, 48.89
CIELCh	39, 80.618, 37.336
Yxy	10.8479, 0.6329, 0.3260
Android (android.graphics.Color)	4290576397 (0xFFBD000D)
YUV	57.9930, -22.1815, 114.8931
Hunter-Lab	32.9362, 56.4993, 20.5934

Details

The Yxy color **10.8479, 0.6329, 0.3260** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **39.5281, 0.2306, 0.3503**, and the grayscale version is **4.2510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4317, 0.5634, 0.3457**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.8486, 0.6329, 0.3260**, and if you desaturate by 10%, it is **11.3790, 0.6100, 0.3234**.

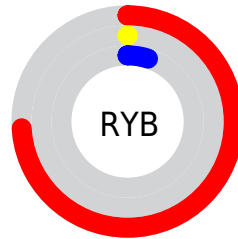
Distribution



Red (74%)

Green (0%)

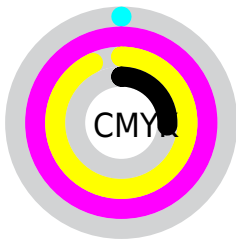
Blue (5%)



Red (74%)

Yellow (0%)

Blue (5%)

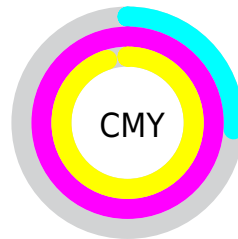


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8479, 0.6329, 0.3260 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 10.8479, 0.6329, 0.3260 by changing the saturation by 10% instead.


 10.8479, 0.6329,
0.3260

 10.8479, 0.6329,
0.3260


 196.6211, 0.4482,
0.3520


 5.9647, 0.6859,
0.3081

 27.3786, 0.5635,
0.3453


 2.8236, 0.7317,
0.2683

 39.7948, 0.5376,
0.3493


 1.0403, 0.7917,
0.2083

 55.4907, 0.5160,
0.3514

 0.0000, 1.0000,
0.0000

 74.8509, 0.4978,
0.3524


 0.0000, 0.0000,
0.0000

 98.2596, 0.4825,
0.3528


 126.1013, 0.4694,


0.3527


 158.7603, 0.4580,
0.3525


 10.8479, 0.6329,
0.3260


 10.8479, 0.6329,
0.3260


 10.8486, 0.6329,
0.3260

 11.3790, 0.6100,
0.3234

 12.4085, 0.5744,
0.3209

 14.1079, 0.5304,
0.3196

 16.5651, 0.4847,
0.3196

 19.8548, 0.4420,
0.3205

■ 24.0428, 0.4050,
0.3220

■ 29.1882, 0.3742,
0.3237

■ 35.3451, 0.3491,
0.3256

■ 42.5636, 0.3289,
0.3273

Harmonies

Analogous

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



10.8479, 0.5607, 0.2478



10.8479, 0.6329, 0.3260



10.8479, 0.5785, 0.4215

Triad

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



10.8479, 0.6329, 0.3260



10.8479, 0.1884, 0.6085



10.8479, 0.1220, 0.1131

Complementary

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



10.8479, 0.6329, 0.3260



39.5281, 0.2306, 0.3503

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.



10.8479, 0.0805, 0.1288



10.8479, 0.6329, 0.3260



10.8479, 0.1011, 0.3623

Square

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



10.8479, 0.6329, 0.3260



10.8479, 0.3180, 0.6661



10.8479, 0.0723, 0.1946



10.8479, 0.2145, 0.1290

Rectangle

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



10.8479, 0.6329, 0.3260



10.8479, 0.4990, 0.5010



10.8479, 0.0723, 0.1946



10.8479, 0.1037, 0.1145

Sweetspot

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



10.8486, 0.6329, 0.3260



51.7908, 0.3756, 0.3236



12.5875, 0.3000, 0.1426



10.2634, 0.3879, 0.3229



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.



10.8486, 0.6329, 0.3260



19.4168, 0.6345, 0.3269



16.3755, 0.5652, 0.3894



9.5468, 0.3278, 0.3274



7.3033, 0.6313, 0.3252



0.2898, 0.5998, 0.3078

Inverse Universe

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



10.8486, 0.6329, 0.3260



19.4168, 0.6345, 0.3269



14.8807, 0.1851, 0.1862



9.5468, 0.3278, 0.3274



7.3033, 0.6313, 0.3252



0.2898, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 10.8479, 0.6329, 0.3260 looks on a white background.

Color Contrast Check

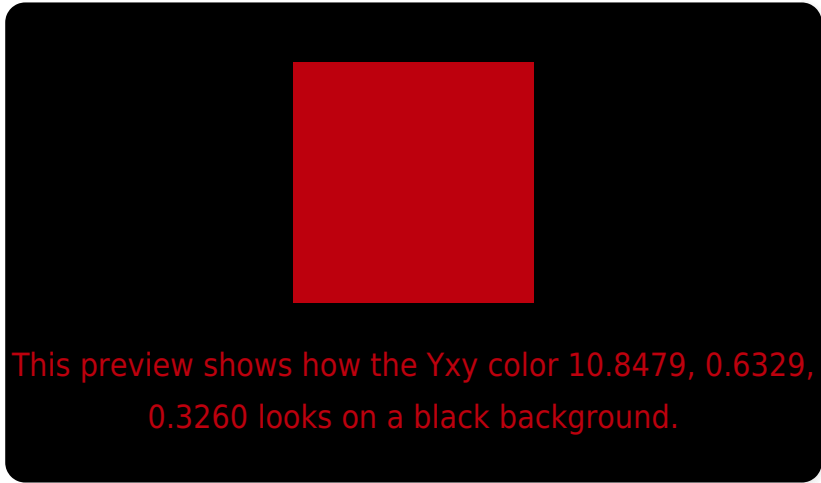
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8479, 0.6329, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 10.8479, 0.6329, 0.3260.



This preview shows how white text looks on a background with the Yxy color 10.8479, 0.6329, 0.3260.

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

10.8479, 0.6329, 0.3260

Protanopia

11.5853, 0.4196, 0.4638

Deuteranopia

11.4752, 0.4675, 0.4670



Tritanopia

11.0923, 0.6332, 0.3354

Trichromacy



Original Color

10.8479, 0.6329, 0.3260

Protanomaly

8.7218, 0.5334, 0.3829

Deuteranomaly

9.0568, 0.5632, 0.3859

Tritanomaly

10.9417, 0.6332, 0.3317

Monochromacy



Original Color

10.8479, 0.6329, 0.3260

Achromatopsia

4.2311, 0.3127, 0.3290

Achromatomaly

4.5545, 0.4919, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8479, 0.6329, 0.3260 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 13) }
```

Border

The CSS property to change the border of an element to Yxy 10.8479, 0.6329, 0.3260 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, 13) }
```

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

```
.border{ border-color:rgb(189, 0, 13) }
```

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, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8479, 0.6329, 0.3260 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, 13) }
```

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

```
.background{ background-color: rgb(189, 0,  
13) }
```

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