

Converting Colors

$Y_{xy}(10.8398, 0.6257, 0.3220)$

Have a look what the booklet for
Yxy(10.8398, 0.6257, 0.3220)
contains.

Yxy(10.8767, 0.6261, 0.3222)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.8767, 0.6261, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	BD0016
RGB	189, 0, 22
RGB Percent	74%, 0%, 9%
CMY	0.2587, 1.0000, 0.9137
CMYK	0.00, 1.00, 0.88, 0.26
HSL	353°, 100%, 37%
HSV	353°, 100%, 74%
XYZ	21.1356, 10.8767, 1.7453
YIQ	59.0190, 105.5820, 46.9100

Conversions

Conversions Part 2

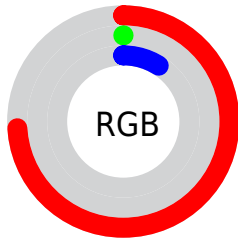
Format	Color
RYB	189, 0, 22
Decimal	12386326
CIELab	39.37, 64.25, 45.04
CIELCh	39, 78.464, 35.033
Yxy	10.8767, 0.6261, 0.3222
Android (android.graphics.Color)	4290576406 (0xFFBD0016)
YUV	59.0190, -18.2504, 113.9933
Hunter-Lab	32.9798, 56.6797, 19.9483

Details

The Yxy color **10.8767, 0.6261, 0.3222** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **39.1956, 0.2349, 0.3657**, and the grayscale version is **4.3920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5228, 0.5556, 0.3403**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.8798, 0.6260, 0.3222**, and if you desaturate by 10%, it is **11.4289, 0.6000, 0.3177**.

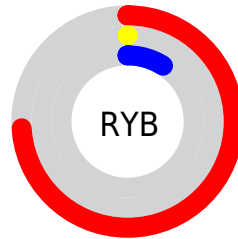
Distribution



Red (74%)

Green (0%)

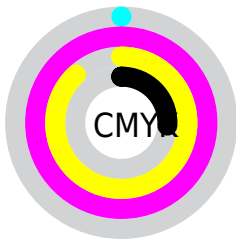
Blue (9%)



Red (74%)

Yellow (0%)

Blue (9%)

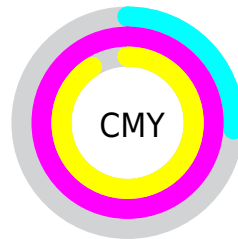


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (26%)



Cyan (26%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8767, 0.6261, 0.3222 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 10.8767, 0.6261, 0.3222 by changing the saturation by 10% instead.


 10.8767, 0.6261,
0.3222


 10.8767, 0.6261,
0.3222


196.8197, 0.4431,
0.3478


 5.9840, 0.6766,
0.3036


 27.4319, 0.5561,
0.3405


 2.8353, 0.7319,
0.2681

 39.8633, 0.5304,
0.3443


 1.0464, 0.7918,
0.2082

 55.5762, 0.5091,
0.3465

 0.0000, 1.0000,
0.0000


 74.9552, 0.4914,
0.3476

 0.0000, 0.0000,
0.0000

 98.3847, 0.4764,
0.3481


 126.2490, 0.4636,


0.3482


 158.9325, 0.4527,
0.3481


 10.8767, 0.6261,
0.3222


 10.8767, 0.6261,
0.3222

 10.8798, 0.6260,
0.3222

 11.4289, 0.6000,
0.3177

 12.4755, 0.5630,
0.3139

 14.1886, 0.5196,
0.3122

 16.6553, 0.4756,
0.3125

 19.9492, 0.4351,
0.3143

■ 24.1353, 0.4002,
0.3170

■ 29.2721, 0.3711,
0.3200

■ 35.4131, 0.3473,
0.3231

■ 42.6077, 0.3282,
0.3262

Harmonies

Analogous

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



10.8767, 0.5432, 0.2443



10.8767, 0.6261, 0.3222



10.8767, 0.5840, 0.4160

Triad

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



10.8767, 0.6261, 0.3222



10.8767, 0.2014, 0.6127



10.8767, 0.1206, 0.1165

Complementary

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



10.8767, 0.6261, 0.3222



39.1956, 0.2349, 0.3657

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.



10.8767, 0.0821, 0.1353



10.8767, 0.6261, 0.3222



10.8767, 0.1099, 0.3801

Square

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



10.8767, 0.6261, 0.3222



10.8767, 0.3315, 0.6532



10.8767, 0.0766, 0.2065



10.8767, 0.2075, 0.1300

Rectangle

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



10.8767, 0.6261, 0.3222



10.8767, 0.5084, 0.4916



10.8767, 0.0766, 0.2065



10.8767, 0.1035, 0.1187

Sweetspot

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



10.8798, 0.6260, 0.3222



51.9303, 0.3723, 0.3199



11.8875, 0.2916, 0.1380



10.2953, 0.3840, 0.3186



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.



10.8798, 0.6260, 0.3222



19.4628, 0.6284, 0.3235



15.5161, 0.5746, 0.3820



9.5540, 0.3270, 0.3264



7.3243, 0.6239, 0.3211



0.2929, 0.5759, 0.2946

Inverse Universe

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



10.8798, 0.6260, 0.3222



19.4628, 0.6284, 0.3235



16.2965, 0.1884, 0.1981



9.5540, 0.3270, 0.3264



7.3243, 0.6239, 0.3211



0.2929, 0.5759, 0.2946

Previews

White Background



This preview shows how the Yxy color 10.8767, 0.6261, 0.3222 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 10.8767, 0.6261, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 10.8767, 0.6261, 0.3222.



This preview shows how white text looks on a background with the Yxy color 10.8767, 0.6261, 0.3222.

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

10.8767, 0.6261, 0.3222

Protanopia

11.5764, 0.4088, 0.4510

Deuteranopia

11.5471, 0.4690, 0.4658



Tritanopia

11.0923, 0.6332, 0.3354

Trichromacy



Original Color

10.8767, 0.6261, 0.3222

Protanomaly

8.6815, 0.5202, 0.3733

Deuteranomaly

9.1546, 0.5622, 0.3838

Tritanomaly

10.9482, 0.6316, 0.3308

Monochromacy



Original Color

10.8767, 0.6261, 0.3222

Achromatopsia

4.3735, 0.3127, 0.3290

Achromatomaly

4.6477, 0.4791, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8767, 0.6261, 0.3222 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 10.8767, 0.6261, 0.3222 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, 22) }
```

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

```
.border{ border-color:rgb(189, 0, 22) }
```

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, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8767, 0.6261, 0.3222 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, 22) }
```

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

```
.background{ background-color: rgb(189, 0,  
22) }
```

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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