

Converting Colors

$Yxy(12.2817, 0.5980, 0.3378)$

Have a look what the booklet for
Yxy(12.2817, 0.5980, 0.3378)
contains.

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Color

Yxy(12.2262, 0.5985, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	BC271C
RGB	188, 39, 28
RGB Percent	74%, 15%, 11%
CMY	0.2627, 0.8470, 0.8903
CMYK	0.00, 0.79, 0.85, 0.26
HSL	4°, 74%, 42%
HSV	4°, 85%, 74%
XYZ	21.6747, 12.2262, 2.3141
YIQ	82.2970, 92.3350, 28.1670

Conversions

Conversions Part 2

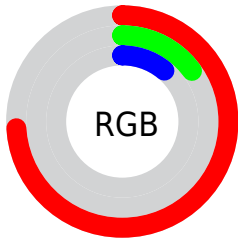
Format	Color
RYB	188, 40, 28
Decimal	12330780
CIELab	41.57, 57.31, 43.86
CIElCh	42, 72.173, 37.429
Yxy	12.2262, 0.5985, 0.3376
Android (android.graphics.Color)	4290520860 (0xFFBC271C)
YUV	82.2970, -26.7684, 92.7015
Hunter-Lab	34.9660, 49.4581, 20.5522

Details

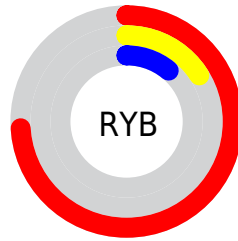
The Yxy color **12.2262, 0.5985, 0.3376** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **35.3092, 0.2224, 0.3107**, and the grayscale version is **8.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9252, 0.5350, 0.3499**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2669, 0.6259, 0.3347**, and if you desaturate by 10%, it is **13.7732, 0.5590, 0.3393**.

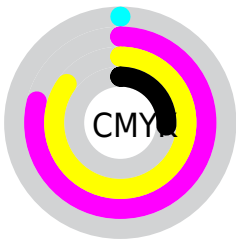
Distribution



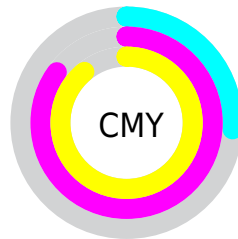
- Red (74%)
- Green (15%)
- Blue (11%)



- Red (74%)
- Yellow (16%)
- Blue (11%)



- Cyan (0%)
- Magenta (79%)
- Yellow (85%)
- Black (26%)





- Cyan (26%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2262, 0.5985, 0.3376 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 12.2262, 0.5985, 0.3376 by changing the saturation by 10% instead.


 12.2262, 0.5985,
0.3376


 12.2262, 0.5985,
0.3376


205.8971, 0.4323,
0.3511


 6.8979, 0.6426,
0.3228


 29.9064, 0.5345,
0.3499


 3.3983, 0.7023,
0.2977

 43.0271, 0.5112,
0.3519


 1.3431, 0.7558,
0.2442

 59.5142, 0.4920,
0.3528

 0.1742, 0.9114,
0.0886

 79.7518, 0.4759,
0.3530


 0.0000, 1.0000,
0.0000


 104.1246, 0.4624,
0.3528

 0.0000, 0.0000,
0.0000


 133.0168, 0.4509,

0.3523


 166.8128, 0.4409,
0.3517


 12.2262, 0.5985,
0.3376


 12.2262, 0.5985,
0.3376


 11.2669, 0.6259,
0.3347


 13.7732, 0.5590,
0.3393

 10.9788, 0.6351,
0.3339

 15.9795, 0.5136,
0.3397

 18.9087, 0.4686,
0.3390

 22.6163, 0.4278,
0.3375

 27.1526, 0.3928,
0.3356

■ 32.5634, 0.3638,
0.3337

■ 38.8913, 0.3402,
0.3317

■ 46.1761, 0.3211,
0.3299

■ 54.4552, 0.3056,
0.3282

Harmonies

Analogous

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



12.2262, 0.5290, 0.2603



12.2262, 0.5985, 0.3376



12.2262, 0.5593, 0.4284

Triad

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



12.2262, 0.5985, 0.3376



12.2262, 0.2090, 0.5618



12.2262, 0.1395, 0.1314

Complementary

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



12.2262, 0.5985, 0.3376



35.3092, 0.2224, 0.3107

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.



12.2262, 0.0987, 0.1481



12.2262, 0.5985, 0.3376



12.2262, 0.1237, 0.3612

Square

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



12.2262, 0.5985, 0.3376



12.2262, 0.3289, 0.6202



12.2262, 0.0921, 0.2129



12.2262, 0.2270, 0.1466

Rectangle

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



12.2262, 0.5985, 0.3376



12.2262, 0.4970, 0.5030



12.2262, 0.0921, 0.2129



12.2262, 0.1216, 0.1331

Sweetspot

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



12.2270, 0.5985, 0.3376



57.6437, 0.3673, 0.3339



14.7086, 0.3351, 0.1692



11.6422, 0.3769, 0.3346



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.



12.2270, 0.5985, 0.3376



19.7737, 0.6363, 0.3330



23.8874, 0.4943, 0.4292



9.6392, 0.3287, 0.3306



7.5164, 0.6341, 0.3347



0.3309, 0.6125, 0.3519

Inverse Universe

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



35.3092, 0.2224, 0.3107



62.0225, 0.2186, 0.3069



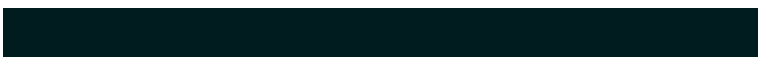
12.4857, 0.1833, 0.1651



10.6938, 0.2985, 0.3274



23.4010, 0.2188, 0.3076



0.9508, 0.2203, 0.3131

Previews

White Background



This preview shows how the Yxy color 12.2262, 0.5985, 0.3376 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



This preview shows how the Yxy color 12.2262, 0.5985, 0.3376 looks on a 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 12.2262, 0.5985, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 12.2262, 0.5985, 0.3376.



This preview shows how white text looks on a background with the Yxy color 12.2262, 0.5985, 0.3376.

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

12.2262, 0.5985, 0.3376

Protanopia

12.4131, 0.4071, 0.4461

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.2175, 0.5880, 0.3298

Trichromacy



Original Color

12.2262, 0.5985, 0.3376

Protanomaly

10.8510, 0.4894, 0.3938

Deuteranomaly

11.2154, 0.5330, 0.4062

Tritanomaly

12.1931, 0.5929, 0.3328

Monochromacy



Original Color

12.2262, 0.5985, 0.3376

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3092, 0.4349, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2262, 0.5985, 0.3376 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(188, 39, 28)` looks like.

```
.text, #text, p{  
    color:rgb(188, 39, 28)  
}
```

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(188, 39, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 39, 28) }
```

Border

The CSS property to change the border of an element to Yxy 12.2262, 0.5985, 0.3376 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(188, 39, 28) }
```

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

```
.border{ border-color:rgb(188, 39, 28) }
```

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

Here you see how a box with a 4 pixel rgb(188, 39, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 39, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 39, 28);  
box-shadow:4px 4px 4px 4px rgb(188, 39,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2262, 0.5985, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 39, 28) }
```

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

```
.background{ background-color: rgb(188, 39,  
28) }
```

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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