

Converting Colors

$Y_{xy}(12.0317, 0.5614, 0.3157)$

Have a look what the booklet for
Yxy(12.0317, 0.5614, 0.3157)
contains.

Yxy(12.0317, 0.5614, 0.3157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.0317, 0.5614, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	B92736
RGB	185, 39, 54
RGB Percent	73%, 15%, 21%
CMY	0.2746, 0.8469, 0.7883
CMYK	0.00, 0.79, 0.71, 0.27
HSL	354°, 65%, 44%
HSV	354°, 79%, 73%
XYZ	21.3956, 12.0317, 4.6839
YIQ	84.3640, 82.2010, 35.6170

Conversions

Conversions Part 2

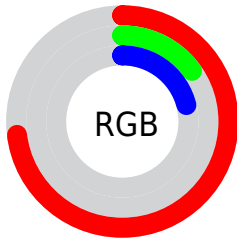
Format	Color
R_{YB}	185, 39, 54
Decimal	12134198
CIE _{Lab}	41.27, 57.32, 28.66
CIE _{LCh}	41, 64.084, 26.564
Yxy	12.0317, 0.5614, 0.3157
Android (android.graphics.Color)	4290324278 (0xFFB92736)
YUV	84.3640, -14.9695, 88.2578
Hunter-Lab	34.6867, 49.4013, 16.2746

Details

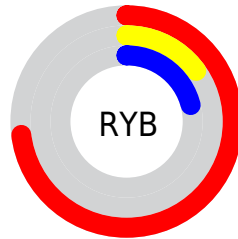
The Yxy color **12.0317, 0.5614, 0.3157** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **38.0260, 0.2366, 0.3537**, and the grayscale version is **8.9683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4491, 0.5000, 0.3267**, and **4.3116, 0.6239, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **10.9679, 0.5992, 0.3190**, and if you desaturate by 10%, it is **13.7423, 0.5174, 0.3144**.

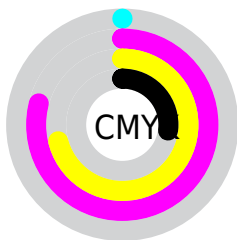
Distribution



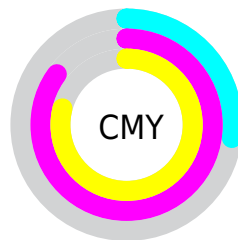
- Red (73%)
- Green (15%)
- Blue (21%)



- Red (73%)
- Yellow (15%)
- Blue (21%)



- Cyan (0%)
- Magenta (79%)
- Yellow (71%)
- Black (27%)





- Cyan (27%)
- Magenta (85%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0317, 0.5614, 0.3157 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 12.0317, 0.5614, 0.3157 by changing the saturation by 10% instead.


 12.0317, 0.5614,
0.3157


 12.0317, 0.5614,
0.3157


204.6150, 0.4117,
0.3342


 6.7653, 0.6066,
0.3034


 29.5528, 0.5007,
0.3271


 3.3157, 0.6701,
0.2822

 42.5763, 0.4797,
0.3298


 1.2987, 0.7578,
0.2422

 58.9543, 0.4628,
0.3315

 0.1402, 0.9254,
0.0746

 79.0711, 0.4489,
0.3326

 0.0000, 1.0000,
0.0000

 103.3112, 0.4373,
0.3333

 0.0000, 0.0000,
0.0000

 132.0590, 0.4274,

0.3338

165.6988, 0.4190,
0.3340

■ 12.0317, 0.5614,
0.3157

■ 12.0317, 0.5614,
0.3157

■ 10.9679, 0.5992,
0.3190

■ 13.7423, 0.5174,
0.3144

■ 10.4099, 0.6258,
0.3231

■ 16.1783, 0.4731,
0.3148

■ 10.3588, 0.6281,
0.3234

■ 19.4096, 0.4327,
0.3164

■ 23.4972, 0.3979,
0.3188

■ 28.4960, 0.3689,
0.3214

■ 34.4566, 0.3454,
0.3242

■ 41.4256, 0.3265,
0.3268

■ 49.4468, 0.3112,
0.3293

■ 58.5612, 0.2989,
0.3315

Harmonies

Analogous

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



12.0317, 0.4607, 0.2428



12.0317, 0.5614, 0.3157



12.0317, 0.5623, 0.3961

Triad

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



12.0317, 0.5614, 0.3157



12.0317, 0.2617, 0.5729



12.0317, 0.1338, 0.1475

Complementary

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



12.0317, 0.5614, 0.3157



38.0260, 0.2366, 0.3537

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.



12.0317, 0.1070, 0.1790



12.0317, 0.5614, 0.3157



12.0317, 0.1642, 0.4250

Square

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



12.0317, 0.5614, 0.3157



12.0317, 0.3779, 0.5758



12.0317, 0.1141, 0.2653



12.0317, 0.1996, 0.1510

Rectangle

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



12.0317, 0.5614, 0.3157



12.0317, 0.5187, 0.4578



12.0317, 0.1141, 0.2653



12.0317, 0.1210, 0.1535

Sweetspot

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



12.0324, 0.5614, 0.3157



55.6328, 0.3577, 0.3227



13.2761, 0.2979, 0.1544



11.2095, 0.3665, 0.3217



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.0324, 0.5614, 0.3157



18.8586, 0.6203, 0.3225



18.6412, 0.5168, 0.3938



9.0268, 0.3272, 0.3267



7.0603, 0.6262, 0.3223



0.2539, 0.5800, 0.2969

Inverse Universe

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



12.0324, 0.5614, 0.3157



18.8586, 0.6203, 0.3225



19.6454, 0.2032, 0.2288



9.0268, 0.3272, 0.3267



7.0603, 0.6262, 0.3223



0.2539, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 12.0317, 0.5614, 0.3157 looks on a white background.

Color Contrast Check

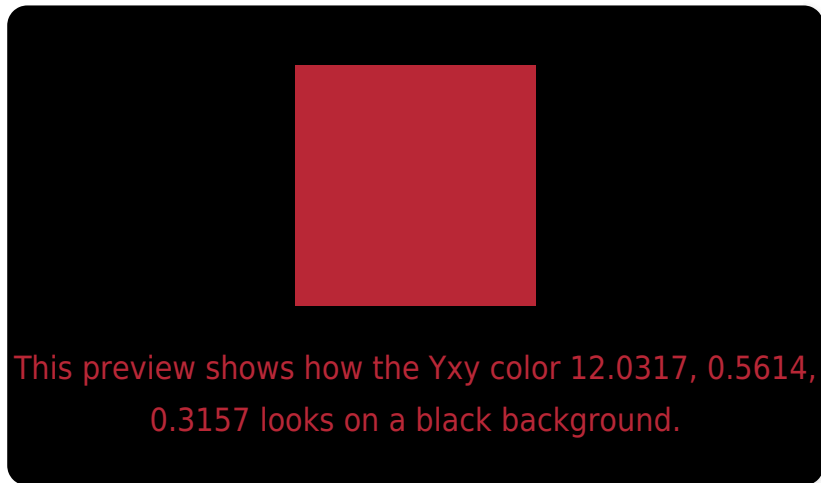
Large Text (above 18pt) WCAG AA ✓ Pass

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

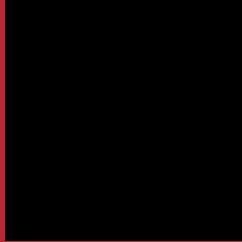
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.0317, 0.5614, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 12.0317, 0.5614, 0.3157.



This preview shows how white text looks on a background with the Yxy color 12.0317, 0.5614, 0.3157.

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

12.0317, 0.5614, 0.3157

Protanopia

12.2466, 0.3568, 0.3812

Deuteranopia

12.3402, 0.4293, 0.4231



Tritanopia

12.0673, 0.5784, 0.3289

Trichromacy



Original Color

12.0317, 0.5614, 0.3157

Protanomaly

10.7813, 0.4360, 0.3482

Deuteranomaly

11.1391, 0.4877, 0.3701

Tritanomaly

12.0291, 0.5734, 0.3245

Monochromacy



Original Color

12.0317, 0.5614, 0.3157

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.6802, 0.4097, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0317, 0.5614, 0.3157 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(185, 39, 54)` looks like.

```
.text, #text, p{  
    color:rgb(185, 39, 54)  
}
```

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(185, 39, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 39, 54) }
```

Border

The CSS property to change the border of an element to Yxy 12.0317, 0.5614, 0.3157 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(185, 39, 54) }
```

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

```
.border{ border-color:rgb(185, 39, 54) }
```

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

Here you see how a box with a 4 pixel rgb(185, 39, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 39, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 39, 54);  
box-shadow:4px 4px 4px 4px rgb(185, 39,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0317, 0.5614, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 39, 54) }
```

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

```
.background{ background-color: rgb(185, 39,  
54) }
```

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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