

Converting Colors

$Y_{xy}(11.9799, 0.5987, 0.3569)$

Have a look what the booklet for
Yxy(11.9799, 0.5987, 0.3569)
contains.

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Color

Yxy(12.0379, 0.5989, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	B53108
RGB	181, 49, 8
RGB Percent	71%, 19%, 3%
CMY	0.2902, 0.8079, 0.9683
CMYK	0.00, 0.73, 0.96, 0.29
HSL	14°, 91%, 37%
HSV	14°, 96%, 71%
XYZ	20.2003, 12.0379, 1.4908
YIQ	83.7940, 91.8330, 15.2330

Conversions

Conversions Part 2

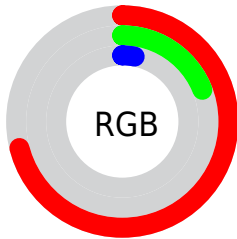
Format	Color
R_{YB}	181, 62, 8
Decimal	11874568
CIE _{Lab}	41.28, 51.50, 50.91
CIE _{LCh}	41, 72.416, 44.665
Yxy	12.0379, 0.5989, 0.3569
Android (android.graphics.Color)	4290064648 (0xFFB53108)
YUV	83.7940, -37.3664, 85.2497
Hunter-Lab	34.6957, 43.2079, 21.7394

Details

The Yxy color **12.0379, 0.5989, 0.3569** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.1731, 0.2048, 0.2547**, and the grayscale version is **8.8867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6289, 0.5384, 0.3676**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.5400, 0.6103, 0.3536**, and if you desaturate by 10%, it is **13.4344, 0.5691, 0.3639**.

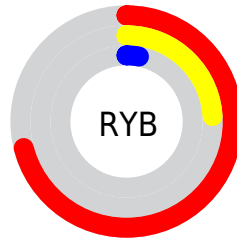
Distribution



Red (71%)

Green (19%)

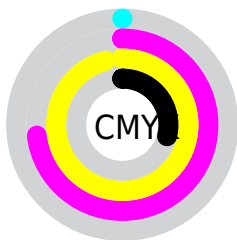
Blue (3%)



Red (71%)

Yellow (24%)

Blue (3%)

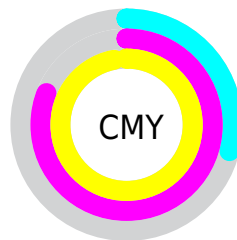


Cyan (0%)

Magenta (73%)

Yellow (96%)

Black (29%)



Cyan (29%)


Magenta (81%)

Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0379, 0.5989, 0.3569 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 12.0379, 0.5989, 0.3569 by changing the saturation by 10% instead.


 12.0379, 0.5989,
0.3569


 12.0379, 0.5989,
0.3569

 204.6560, 0.4356,
0.3626


 6.7695, 0.6444,
0.3448


 29.5641, 0.5379,
0.3677


 3.3184, 0.6864,
0.3136

 42.5907, 0.5150,
0.3687

 1.3001, 0.7387,
0.2613

 58.9722, 0.4959,
0.3685

 0.1413, 0.9149,
0.0851

 79.0929, 0.4798,
0.3677

 0.0000, 1.0000,
0.0000


 103.3372, 0.4662,
0.3666

 0.0000, 0.0000,
0.0000

 132.0896, 0.4545,


0.3653


 165.7344, 0.4444,
0.3640


 12.0379, 0.5989,
0.3569


 12.0379, 0.5989,
0.3569

 11.5400, 0.6103,
0.3536

 13.4344, 0.5691,
0.3639

 15.2649, 0.5323,
0.3669

 17.5651, 0.4928,
0.3663

 20.3656, 0.4543,
0.3628

 23.6947, 0.4191,
0.3575

■ 27.5783, 0.3883,
0.3512

■ 32.0403, 0.3621,
0.3447

■ 37.1037, 0.3400,
0.3383

■ 42.7898, 0.3216,
0.3322

Harmonies

Analogous

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



12.0379, 0.5588, 0.2779



12.0379, 0.5989, 0.3569



12.0379, 0.5413, 0.4552

Triad

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



12.0379, 0.5989, 0.3569



12.0379, 0.1825, 0.5206



12.0379, 0.1547, 0.1313

Complementary

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



12.0379, 0.5989, 0.3569



22.1731, 0.2048, 0.2547

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.



12.0379, 0.1041, 0.1396



12.0379, 0.5989, 0.3569



12.0379, 0.1104, 0.3161

Square

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



12.0379, 0.5989, 0.3569



12.0379, 0.2981, 0.6271



12.0379, 0.0895, 0.1901



12.0379, 0.2565, 0.1538

Rectangle

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



12.0379, 0.5989, 0.3569



12.0379, 0.4692, 0.5308



12.0379, 0.0895, 0.1901



12.0379, 0.1331, 0.1304

Sweetspot

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



12.0386, 0.5989, 0.3569



54.0958, 0.3719, 0.3473



11.9133, 0.3863, 0.1923



10.9768, 0.3831, 0.3500



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.0386, 0.5989, 0.3569



20.3746, 0.6129, 0.3516



27.1413, 0.4712, 0.4608



8.8209, 0.3281, 0.3345



8.0461, 0.6082, 0.3553



0.3441, 0.5542, 0.3982

Inverse Universe

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



22.1731, 0.2048, 0.2547



38.2540, 0.2026, 0.2494



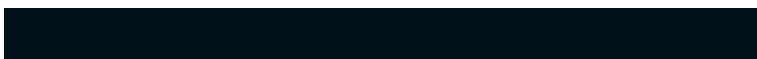
6.0452, 0.1623, 0.1004



9.2840, 0.2986, 0.3235



14.9764, 0.2033, 0.2519



0.5541, 0.2100, 0.2758

Previews

White Background



This preview shows how the Yxy color 12.0379, 0.5989, 0.3569 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 12.0379, 0.5989, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

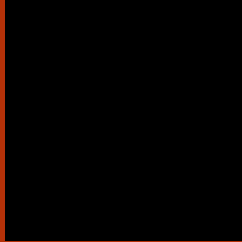
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0379, 0.5989, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 12.0379, 0.5989, 0.3569.



This preview shows how white text looks on a background with the Yxy color 12.0379, 0.5989, 0.3569.

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

12.0379, 0.5989, 0.3569

Protanopia

12.3611, 0.4280, 0.4740

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

12.1043, 0.5645, 0.3288

Trichromacy



Original Color

12.0379, 0.5989, 0.3569

Protanomaly

11.1596, 0.5009, 0.4236

Deuteranomaly

11.3341, 0.5275, 0.4167

Tritanomaly

12.0879, 0.5821, 0.3419

Monochromacy



Original Color

12.0379, 0.5989, 0.3569

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7139, 0.4378, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0379, 0.5989, 0.3569 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(181, 49, 8)` looks like.

```
.text, #text, p{  
    color:rgb(181, 49, 8)  
}
```

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(181, 49, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 49, 8) }
```

Border

The CSS property to change the border of an element to Yxy 12.0379, 0.5989, 0.3569 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(181, 49, 8) }
```

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

```
.border{ border-color:rgb(181, 49, 8) }
```

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

Here you see how a box with a 4 pixel rgb(181, 49, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 49, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 49, 8);  
box-shadow:4px 4px 4px 4px rgb(181, 49, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0379, 0.5989, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 49, 8) }
```

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

```
.background{ background-color: rgb(181, 49,  
8) }
```

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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