

Converting Colors

$Yxy(9.9997, 0.6132, 0.2920)$

Have a look what the booklet for
Yxy(9.9997, 0.6132, 0.2920)
contains.

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Color

Yxy(11.0007, 0.5986, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	BD002C
RGB	189, 0, 44
RGB Percent	74%, 0%, 17%
CMY	0.2588, 1.0000, 0.8274
CMYK	0.00, 1.00, 0.77, 0.26
HSL	346°, 100%, 37%
HSV	346°, 100%, 74%
XYZ	21.4426, 11.0007, 3.3779
YIQ	61.5270, 98.5200, 53.7520

Conversions

Conversions Part 2

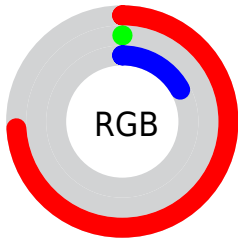
Format	Color
RYB	189, 0, 44
Decimal	12386348
CIELab	39.58, 64.80, 32.99
CIElCh	40, 72.717, 26.977
Yxy	11.0007, 0.5986, 0.3071
Android (android.graphics.Color)	4290576428 (0xFFBD002C)
YUV	61.5270, -8.6408, 111.7938
Hunter-Lab	33.1673, 57.3571, 17.1787

Details

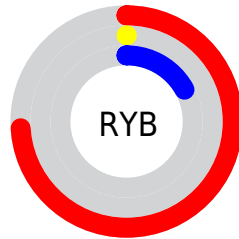
The Yxy color **11.0007, 0.5986, 0.3071** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **38.4422, 0.2461, 0.4058**, and the grayscale version is **4.7482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6554, 0.5297, 0.3229**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.0017, 0.5986, 0.3071**, and if you desaturate by 10%, it is **11.5929, 0.5678, 0.2993**.

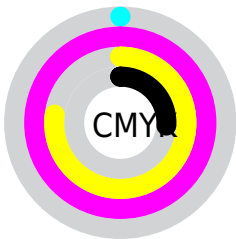
Distribution



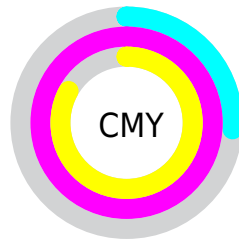
- Red (74%)
- Green (0%)
- Blue (17%)



- Red (74%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0007, 0.5986, 0.3071 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 11.0007, 0.5986, 0.3071 by changing the saturation by 10% instead.


 11.0007, 0.5986,
0.3071


 11.0007, 0.5986,
0.3071


197.6724, 0.4269,
0.3345


 6.0673, 0.6483,
0.2900

 27.6615, 0.5298,
0.3235


 2.8861, 0.7287,
0.2663

 40.1576, 0.5057,
0.3274


 1.0725, 0.7918,
0.2082

 55.9435, 0.4862,
0.3300

 0.0000, 1.0000,
0.0000

 75.4035, 0.4700,
0.3317

 0.0000, 0.0000,
0.0000

 98.9220, 0.4566,
0.3328

 126.8833, 0.4452,

0.3336

159.6720, 0.4354,
0.3341

■ 11.0007, 0.5986,
0.3071

■ 11.0007, 0.5986,
0.3071

■ 11.0017, 0.5986,
0.3071

■ 11.5929, 0.5678,
0.2993

■ 12.6745, 0.5308,
0.2941

■ 14.4132, 0.4912,
0.2928

■ 16.8936, 0.4527,
0.2948

■ 20.1879, 0.4181,
0.2991

■ 24.3594, 0.3882,
0.3047

■ 29.4652, 0.3633,
0.3109

■ 35.5576, 0.3429,
0.3172

■ 42.6849, 0.3262,
0.3233

Harmonies

Analogous

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



11.0007, 0.4859, 0.2311



11.0007, 0.5986, 0.3071



11.0007, 0.5898, 0.3921

Triad

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



11.0007, 0.5986, 0.3071



11.0007, 0.2441, 0.6198



11.0007, 0.1158, 0.1279

Complementary

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



11.0007, 0.5986, 0.3071



38.4422, 0.2461, 0.4058

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.



11.0007, 0.0874, 0.1582



11.0007, 0.5986, 0.3071



11.0007, 0.1408, 0.4376

Square

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



11.0007, 0.5986, 0.3071



11.0007, 0.3736, 0.6130



11.0007, 0.0919, 0.2491



11.0007, 0.1859, 0.1328

Rectangle

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



11.0007, 0.5986, 0.3071



11.0007, 0.5369, 0.4631



11.0007, 0.0919, 0.2491



11.0007, 0.1025, 0.1334

Sweetspot

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



11.0017, 0.5986, 0.3071



52.2894, 0.3644, 0.3106



9.6856, 0.2624, 0.1219



10.3780, 0.3744, 0.3080



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.



11.0017, 0.5986, 0.3071



19.6721, 0.6022, 0.3091



13.1354, 0.6043, 0.3584



9.5718, 0.3253, 0.3237



7.4117, 0.5955, 0.3054



0.3008, 0.5266, 0.2675

Inverse Universe

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



11.0017, 0.5986, 0.3071



19.6721, 0.6022, 0.3091



22.0255, 0.2000, 0.2399



9.5718, 0.3253, 0.3237



7.4117, 0.5955, 0.3054



0.3008, 0.5266, 0.2675

Previews

White Background



This preview shows how the Yxy color 11.0007, 0.5986, 0.3071 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 11.0007, 0.5986, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 11.0007, 0.5986, 0.3071.



This preview shows how white text looks on a background with the Yxy color 11.0007, 0.5986, 0.3071.

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

11.0007, 0.5986, 0.3071

Protanopia

11.7140, 0.3682, 0.3955

Deuteranopia

11.5795, 0.4465, 0.4401



Tritanopia

11.1459, 0.6274, 0.3328

Trichromacy



Original Color

11.0007, 0.5986, 0.3071

Protanomaly

8.8042, 0.4710, 0.3331

Deuteranomaly

9.1732, 0.5316, 0.3610

Tritanomaly

10.9886, 0.6220, 0.3254

Monochromacy



Original Color

11.0007, 0.5986, 0.3071

Achromatopsia

4.8172, 0.3127, 0.3290

Achromatomaly

4.9150, 0.4557, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0007, 0.5986, 0.3071 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, 44)` looks like.

```
.text, #text, p{  
  color:rgb(189, 0, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 44) }
```

Border

The CSS property to change the border of an element to Yxy 11.0007, 0.5986, 0.3071 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, 44) }
```

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

```
.border{ border-color:rgb(189, 0, 44) }
```

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, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.0007, 0.5986, 0.3071 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, 44) }
```

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

```
.background{ background-color: rgb(189, 0,  
44) }
```

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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