

Converting Colors

$Yxy(10.4380, 0.5740, 0.2688)$

Have a look what the booklet for
Yxy(10.4380, 0.5740, 0.2688)
contains.

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Color

Yxy(11.7427, 0.5596, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	C10043
RGB	193, 0, 67
RGB Percent	76%, 0%, 26%
CMY	0.2431, 1.0000, 0.7372
CMYK	0.00, 1.00, 0.65, 0.24
HSL	339°, 100%, 38%
HSV	339°, 100%, 76%
XYZ	23.0085, 11.7427, 6.3647
YIQ	65.3450, 93.5210, 61.7530

Conversions

Conversions Part 2

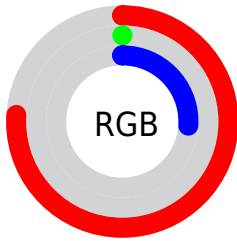
Format	Color
RYB	193, 0, 67
Decimal	12648515
CIELab	40.80, 66.77, 20.32
CIElCh	41, 69.793, 16.926
Yxy	11.7427, 0.5596, 0.2856
Android (android.graphics.Color)	4290838595 (0xFFC10043)
YUV	65.3450, 0.8159, 111.9534
Hunter-Lab	34.2676, 59.8827, 12.9750

Details

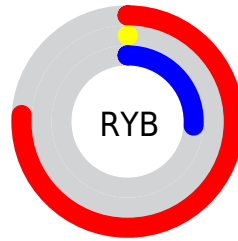
The Yxy color **11.7427, 0.5596, 0.2856** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **39.6532, 0.2575, 0.4471**, and the grayscale version is **5.3303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8385, 0.4968, 0.3016**, and **4.8955, 0.6038, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **11.7447, 0.5596, 0.2856**, and if you desaturate by 10%, it is **12.3888, 0.5293, 0.2771**.

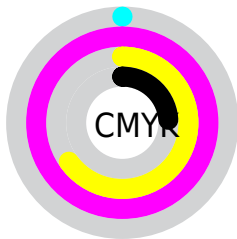
Distribution



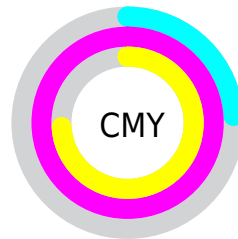
- Red (76%)
- Green (0%)
- Blue (26%)



- Red (76%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7427, 0.5596, 0.2856 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 11.7427, 0.5596, 0.2856 by changing the saturation by 10% instead.


 11.7427, 0.5596,
0.2856


 11.7427, 0.5596,
0.2856


202.6944, 0.4101,
0.3194


 6.5687, 0.6062,
0.2705


 29.0256, 0.4983,
0.3021


 3.1939, 0.6701,
0.2458

 41.9033, 0.4774,
0.3069


 1.2338, 0.7888,
0.2112

 58.1178, 0.4606,
0.3104

 0.0890, 0.9584,
0.0416

 78.0533, 0.4468,
0.3131

 0.0000, 1.0000,
0.0000

 102.0943, 0.4353,
0.3152

 0.0000, 0.0000,
0.0000

 130.6253, 0.4256,

0.3169

164.0305, 0.4173,
0.3182

■ 11.7427, 0.5596,
0.2856

■ 11.7427, 0.5596,
0.2856

■ 11.7447, 0.5596,
0.2856

■ 12.3888, 0.5293,
0.2771

■ 13.5408, 0.4962,
0.2726

■ 15.3719, 0.4624,
0.2729

■ 17.9700, 0.4304,
0.2772

■ 21.4100, 0.4017,
0.2842

■ 25.7576, 0.3768,
0.2928

■ 31.0719, 0.3559,
0.3021

■ 37.4070, 0.3386,
0.3114

■ 44.8131, 0.3244,
0.3205

Harmonies

Analogous

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



11.7427, 0.4229, 0.2133



11.7427, 0.5596, 0.2856



11.7427, 0.5913, 0.3649

Triad

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



11.7427, 0.5596, 0.2856



11.7427, 0.2914, 0.6176



11.7427, 0.1100, 0.1414

Complementary

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



11.7427, 0.5596, 0.2856



39.6532, 0.2575, 0.4471

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.



11.7427, 0.0932, 0.1878



11.7427, 0.5596, 0.2856



11.7427, 0.1790, 0.4998

Square

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



11.7427, 0.5596, 0.2856



11.7427, 0.4178, 0.5700



11.7427, 0.1114, 0.3046



11.7427, 0.1634, 0.1354

Rectangle

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



11.7427, 0.5596, 0.2856



11.7427, 0.5575, 0.4269



11.7427, 0.1114, 0.3046



11.7427, 0.1008, 0.1513

Sweetspot

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



11.7447, 0.5596, 0.2856



55.1532, 0.3568, 0.3017



8.2456, 0.2342, 0.1064



10.9257, 0.3653, 0.2977



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



11.7447, 0.5596, 0.2856



20.9896, 0.5635, 0.2878



12.2158, 0.6262, 0.3410



10.1343, 0.3236, 0.3210



7.8240, 0.5562, 0.2838



0.3512, 0.4932, 0.2491

Inverse Universe

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



11.7447, 0.5596, 0.2856



20.9896, 0.5635, 0.2878



30.4243, 0.2113, 0.2805



10.1343, 0.3236, 0.3210



7.8240, 0.5562, 0.2838



0.3512, 0.4932, 0.2491

Previews

White Background



This preview shows how the Yxy color 11.7427, 0.5596, 0.2856 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 11.7427, 0.5596, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

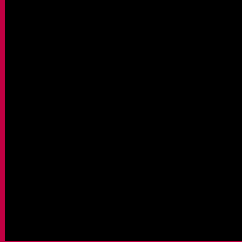
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7427, 0.5596, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 11.7427, 0.5596, 0.2856.



This preview shows how white text looks on a background with the Yxy color 11.7427, 0.5596, 0.2856.

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

11.7427, 0.5596, 0.2856

Protanopia

12.3265, 0.3157, 0.3290

Deuteranopia

12.3040, 0.4098, 0.4030



Tritanopia

12.0563, 0.6130, 0.3315

Trichromacy



Original Color

11.7427, 0.5596, 0.2856

Protanomaly

9.2017, 0.4076, 0.2825

Deuteranomaly

9.7717, 0.4863, 0.3279

Tritanomaly

11.7606, 0.6003, 0.3163

Monochromacy



Original Color

11.7427, 0.5596, 0.2856

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

5.4240, 0.4307, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7427, 0.5596, 0.2856 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(193, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 67)  
}
```

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(193, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 11.7427, 0.5596, 0.2856 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(193, 0, 67) }
```

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

```
.border{ border-color:rgb(193, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7427, 0.5596, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 67) }
```

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

```
.background{ background-color: rgb(193, 0,  
67) }
```

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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