

Converting Colors

$Y_{xy}(11.8586, 0.5453, 0.2778)$

Have a look what the booklet for
Yxy(11.8586, 0.5453, 0.2778)
contains.

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Color

Yxy(11.8319, 0.5453, 0.2778)

Conversions

Conversions Part 1	
Format	Color
Hex	C1004A
RGB	193, 0, 74
RGB Percent	76%, 0%, 29%
CMY	0.2432, 0.9995, 0.7099
CMYK	0.00, 1.00, 0.62, 0.24
HSL	337°, 100%, 38%
HSV	337°, 100%, 76%
XYZ	23.2251, 11.8319, 7.5344
YIQ	66.1430, 91.2740, 63.9300

Conversions

Conversions Part 2

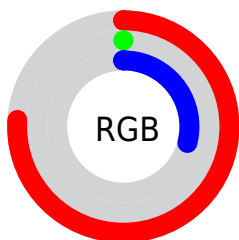
Format	Color
RYB	193, 0, 74
Decimal	12648522
CIELab	40.95, 67.13, 16.08
CIELCh	41, 69.025, 13.468
Yxy	11.8319, 0.5453, 0.2778
Android (android.graphics.Color)	4290838602 (0xFFC1004A)
YUV	66.1430, 3.8735, 111.2536
Hunter-Lab	34.3975, 60.3270, 11.0914

Details

The Yxy color **11.8319, 0.5453, 0.2778** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **39.4697, 0.2611, 0.4600**, and the grayscale version is **5.4667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0058, 0.4870, 0.2947**, and **5.0045, 0.5912, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **11.8285, 0.5455, 0.2779**, and if you desaturate by 10%, it is **12.4862, 0.5161, 0.2696**.

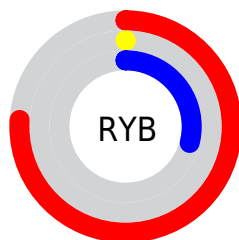
Distribution



Red (76%)

Green (0%)

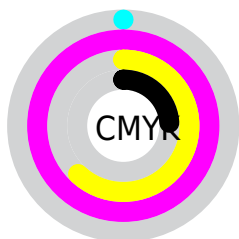
Blue (29%)



Red (76%)

Yellow (0%)

Blue (29%)

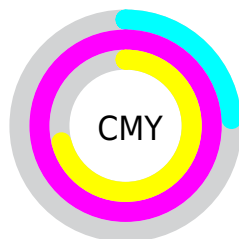


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (24%)



Cyan (24%)

Magenta (100%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8319, 0.5453, 0.2778 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 11.8319, 0.5453, 0.2778 by changing the saturation by 10% instead.


 11.8319, 0.5453,
0.2778


 11.8319, 0.5453,
0.2778

203.2892, 0.4043,
0.3144


 6.6293, 0.5899,
0.2628


 29.1886, 0.4872,
0.2949


 3.2314, 0.6523,
0.2389


 42.1115, 0.4675,
0.3000


 1.2537, 0.7636,
0.2045


 58.3766, 0.4517,
0.3040

 0.1049, 0.9523,
0.0477

 78.3683, 0.4387,
0.3070

 0.0000, 1.0000,
0.0000


 102.4710, 0.4280,
0.3094


 0.0000, 0.0000,
0.0000

 131.0692, 0.4188,


0.3114

164.5471, 0.4111,
0.3131


 11.8319, 0.5453,
0.2778

 11.8319, 0.5453,
0.2778

 11.8285, 0.5455,
0.2779

 12.4862, 0.5161,
0.2696

 13.6472, 0.4847,
0.2656

 15.4843, 0.4530,
0.2667


 18.0853, 0.4232,
0.2718

 21.5246, 0.3963,
0.2797

 25.8674, 0.3731,
0.2892

 31.1728, 0.3535,
0.2994

 37.4945, 0.3372,
0.3097

 44.8823, 0.3237,
0.3197

Harmonies

Analogous

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



11.8319, 0.4030, 0.2072



11.8319, 0.5453, 0.2778



11.8319, 0.5907, 0.3560

Triad

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



11.8319, 0.5453, 0.2778



11.8319, 0.3066, 0.6148



11.8319, 0.1081, 0.1460

Complementary

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



11.8319, 0.5453, 0.2778



39.4697, 0.2611, 0.4600

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.



11.8319, 0.0952, 0.1986



11.8319, 0.5453, 0.2778



11.8319, 0.1921, 0.5187

Square

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



11.8319, 0.5453, 0.2778



11.8319, 0.4318, 0.5567



11.8319, 0.1183, 0.3246



11.8319, 0.1565, 0.1361

Rectangle

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



11.8319, 0.5453, 0.2778



11.8319, 0.5630, 0.4153



11.8319, 0.1183, 0.3246



11.8319, 0.1002, 0.1577

Sweetspot

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



11.8326, 0.5453, 0.2778



55.2804, 0.3545, 0.2989



7.7788, 0.2267, 0.1023



10.9555, 0.3625, 0.2945



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.



11.8326, 0.5453, 0.2778



21.1443, 0.5494, 0.2800



11.9343, 0.6304, 0.3375



10.1403, 0.3230, 0.3202



7.8832, 0.5421, 0.2760



0.3541, 0.4818, 0.2428

Inverse Universe

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



11.8326, 0.5453, 0.2778



21.1443, 0.5494, 0.2800



32.7826, 0.2144, 0.2917



10.1403, 0.3230, 0.3202



7.8832, 0.5421, 0.2760



0.3541, 0.4818, 0.2428

Previews

White Background



This preview shows how the Yxy color 11.8319, 0.5453, 0.2778 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 11.8319, 0.5453, 0.2778 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 11.8319, 0.5453, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 11.8319, 0.5453, 0.2778.



This preview shows how white text looks on a background with the Yxy color 11.8319, 0.5453, 0.2778.

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

11.8319, 0.5453, 0.2778

Protanopia

12.4147, 0.2993, 0.3068

Deuteranopia

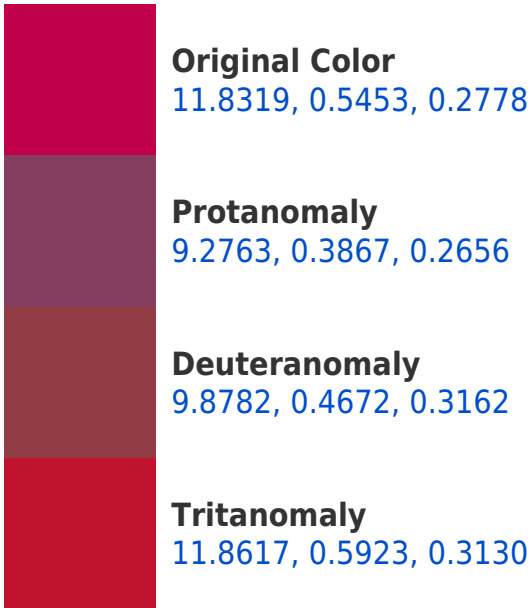
12.4997, 0.3953, 0.3896



Tritanopia

12.0888, 0.6069, 0.3311

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8319, 0.5453, 0.2778 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 74)  
}
```


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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 74) }
```

Border

The CSS property to change the border of an element to Yxy 11.8319, 0.5453, 0.2778 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, 74) }
```


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

```
.border{ border-color:rgb(193, 0, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8319, 0.5453, 0.2778 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, 74) }
```

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

```
.background{ background-color: rgb(193, 0,  
74) }
```

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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