

Converting Colors

$Y_{xy}(12.7312, 0.5420, 0.2892)$

Have a look what the booklet for
Yxy(12.7312, 0.5420, 0.2892)
contains.

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Color

Yxy(12.7342, 0.5409, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	C21B49
RGB	194, 27, 73
RGB Percent	76%, 11%, 29%
CMY	0.2392, 0.8940, 0.7138
CMYK	0.00, 0.86, 0.62, 0.24
HSL	343°, 76%, 43%
HSV	343°, 86%, 76%
XYZ	23.8419, 12.7342, 7.5021
YIQ	82.1770, 84.7660, 49.7100

Conversions

Conversions Part 2

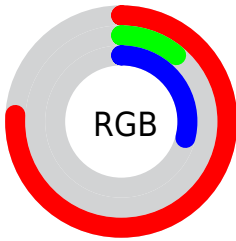
Format	Color
RYB	194, 27, 73
Decimal	12720969
CIELab	42.36, 63.78, 18.63
CIElCh	42, 66.447, 16.281
Yxy	12.7342, 0.5409, 0.2889
Android (android.graphics.Color)	4290911049 (0xFFC21B49)
YUV	82.1770, -4.5243, 98.0688
Hunter-Lab	35.6850, 56.8109, 12.5149

Details

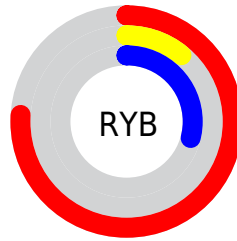
The Yxy color **12.7342, 0.5409, 0.2889** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **40.9553, 0.2493, 0.4069**, and the grayscale version is **8.4743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4692, 0.4837, 0.3032**, and **5.0803, 0.5942, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **11.9496, 0.5739, 0.2966**, and if you desaturate by 10%, it is **14.1454, 0.5038, 0.2855**.

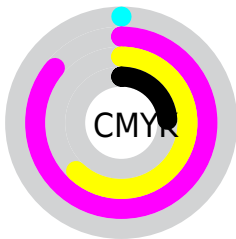
Distribution



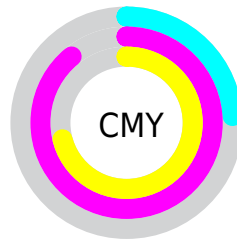
- Red (76%)
- Green (11%)
- Blue (29%)



- Red (76%)
- Yellow (11%)
- Blue (29%)



- Cyan (0%)
- Magenta (86%)
- Yellow (62%)
- Black (24%)




- Cyan (24%)
- Magenta (89%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7342, 0.5409, 0.2889 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 12.7342, 0.5409, 0.2889 by changing the saturation by 10% instead.


 12.7342, 0.5409,
0.2889


 12.7342, 0.5409,
0.2889

209.2071, 0.4036,
0.3193


 7.2458, 0.5837,
0.2757


 30.8254, 0.4847,
0.3035


 3.6163, 0.6431,
0.2543

 44.1970, 0.4656,
0.3078

 1.4613, 0.7480,
0.2233

 60.9651, 0.4501,
0.3110

 0.2613, 0.8947,
0.1053

 81.5141, 0.4374,
0.3135

 0.0000, 1.0000,
0.0000

 106.2284, 0.4269,
0.3154

 0.0000, 0.0000,
0.0000

 135.4924, 0.4179,

0.3170

169.6905, 0.4103,
0.3182

■ 12.7342, 0.5409,
0.2889

■ 12.7342, 0.5409,
0.2889

■ 11.9496, 0.5739,
0.2966

■ 14.1454, 0.5038,
0.2855

■ 11.7298, 0.5856,
0.3000

■ 16.2868, 0.4663,
0.2862

■ 19.2433, 0.4314,
0.2901

■ 23.0871, 0.4006,
0.2961

■ 27.8826, 0.3744,
0.3031

■ 33.6880, 0.3526,
0.3106

■ 40.5571, 0.3347,
0.3179

■ 48.5396, 0.3202,
0.3250

■ 57.6821, 0.3083,
0.3315

Harmonies

Analogous

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



12.7342, 0.4126, 0.2188



12.7342, 0.5409, 0.2889



12.7342, 0.5763, 0.3667

Triad

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



12.7342, 0.5409, 0.2889



12.7342, 0.3000, 0.5958



12.7342, 0.1186, 0.1515

Complementary

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



12.7342, 0.5409, 0.2889



40.9553, 0.2493, 0.4069

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.



12.7342, 0.1032, 0.1988



12.7342, 0.5409, 0.2889



12.7342, 0.1911, 0.4893

Square

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



12.7342, 0.5409, 0.2889



12.7342, 0.4180, 0.5539



12.7342, 0.1232, 0.3117



12.7342, 0.1700, 0.1444

Rectangle

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



12.7342, 0.5409, 0.2889



12.7342, 0.5467, 0.4249



12.7342, 0.1232, 0.3117



12.7342, 0.1099, 0.1619

Sweetspot

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



12.7350, 0.5409, 0.2889



60.6429, 0.3533, 0.3103



10.8544, 0.2603, 0.1278



12.4239, 0.3606, 0.3077



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.7350, 0.5409, 0.2889



21.2153, 0.5894, 0.3021



15.1259, 0.5764, 0.3598



10.1224, 0.3247, 0.3227



7.7243, 0.5822, 0.2981



0.3458, 0.5164, 0.2619

Inverse Universe

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



12.7350, 0.5409, 0.2889



21.2153, 0.5894, 0.3021



28.5209, 0.2107, 0.2684



10.1224, 0.3247, 0.3227



7.7243, 0.5822, 0.2981



0.3458, 0.5164, 0.2619

Previews

White Background



This preview shows how the Yxy color 12.7342, 0.5409, 0.2889 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 12.7342, 0.5409, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

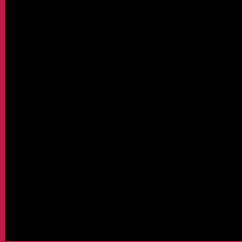
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7342, 0.5409, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 12.7342, 0.5409, 0.2889.



This preview shows how white text looks on a background with the Yxy color 12.7342, 0.5409, 0.2889.

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

12.7342, 0.5409, 0.2889

Protanopia

13.1316, 0.3101, 0.3224

Deuteranopia

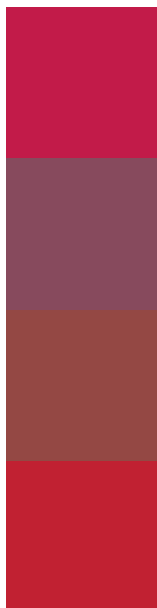
13.0686, 0.3999, 0.3942



Tritanopia

12.7942, 0.5926, 0.3298

Trichromacy



Original Color

12.7342, 0.5409, 0.2889

Protanomaly

10.8388, 0.3902, 0.2934

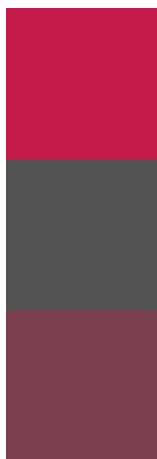
Deuteranomaly

11.3480, 0.4613, 0.3361

Tritanomaly

12.6555, 0.5777, 0.3163

Monochromacy



Original Color

12.7342, 0.5409, 0.2889

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.2207, 0.4049, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7342, 0.5409, 0.2889 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(194, 27, 73)` looks like.

```
.text, #text, p{  
    color:rgb(194, 27, 73)  
}
```

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(194, 27, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 27, 73) }
```

Border

The CSS property to change the border of an element to Yxy 12.7342, 0.5409, 0.2889 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(194, 27, 73) }
```

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

```
.border{ border-color:rgb(194, 27, 73) }
```

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

Here you see how a box with a 4 pixel rgb(194, 27, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 27, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 27, 73);  
box-shadow:4px 4px 4px 4px rgb(194, 27,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7342, 0.5409, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 27, 73) }
```

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

```
.background{ background-color: rgb(194, 27,  
73) }
```

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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