

Converting Colors

$Y_{xy}(13.0034, 0.5404, 0.2872)$

Have a look what the booklet for
Yxy(13.0034, 0.5404, 0.2872)
contains.

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Color

Yxy(12.9826, 0.5392, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	C41A4B
RGB	196, 26, 75
RGB Percent	77%, 10%, 29%
CMY	0.2313, 0.8982, 0.7059
CMYK	0.00, 0.87, 0.62, 0.23
HSL	343°, 77%, 44%
HSV	343°, 87%, 77%
XYZ	24.4080, 12.9826, 7.8765
YIQ	82.4160, 85.5910, 51.2790

Conversions

Conversions Part 2

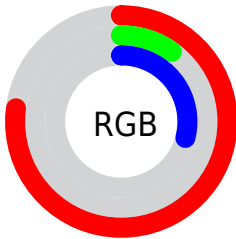
Format	Color
RYB	196, 26, 75
Decimal	12851787
CIELab	42.74, 64.63, 17.94
CIElCh	43, 67.076, 15.510
Yxy	12.9826, 0.5392, 0.2868
Android (android.graphics.Color)	4291041867 (0xFFC41A4B)
YUV	82.4160, -3.6561, 99.6132
Hunter-Lab	36.0314, 57.8628, 12.2611

Details

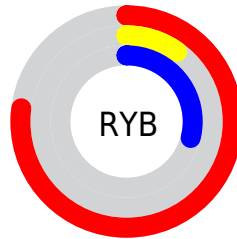
The Yxy color **12.9826, 0.5392, 0.2868** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **41.8131, 0.2504, 0.4117**, and the grayscale version is **8.5167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5188, 0.4810, 0.3012**, and **5.2552, 0.5910, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **12.2138, 0.5717, 0.2948**, and if you desaturate by 10%, it is **14.3788, 0.5028, 0.2832**.

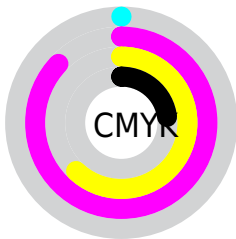
Distribution



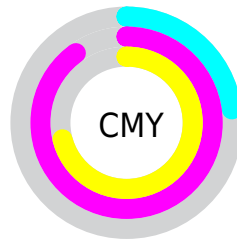
- Red (77%)
- Green (10%)
- Blue (29%)



- Red (77%)
- Yellow (10%)
- Blue (29%)



- Cyan (0%)
- Magenta (87%)
- Yellow (62%)
- Black (23%)




- Cyan (23%)
- Magenta (90%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9826, 0.5392, 0.2868 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 12.9826, 0.5392, 0.2868 by changing the saturation by 10% instead.


 12.9826, 0.5392,
0.2868


 12.9826, 0.5392,
0.2868


210.8061, 0.4033,
0.3181

 7.4166, 0.5815,
0.2736


 31.2725, 0.4837,
0.3016


 3.7240, 0.6401,
0.2524

 44.7652, 0.4647,
0.3061


 1.5204, 0.7387,
0.2205

 61.6689, 0.4494,
0.3094

 0.3030, 0.8852,
0.1148

 82.3680, 0.4369,
0.3119

 0.0000, 1.0000,
0.0000

 107.2468, 0.4264,
0.3140

 0.0000, 0.0000,
0.0000

 136.6899, 0.4175,

0.3156

171.0815, 0.4099,
0.3170

■ 12.9826, 0.5392,
0.2868

■ 12.9826, 0.5392,
0.2868

■ 12.2138, 0.5717,
0.2948

■ 14.3788, 0.5028,
0.2832

■ 12.0289, 0.5813,
0.2976

■ 16.5153, 0.4659,
0.2838

■ 19.4797, 0.4314,
0.2878

■ 23.3468, 0.4009,
0.2940

■ 28.1831, 0.3749,
0.3013

■ 34.0487, 0.3533,
0.3091

■ 40.9986, 0.3355,
0.3169

■ 49.0841, 0.3210,
0.3243

■ 58.3533, 0.3091,
0.3312

Harmonies

Analogous

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



12.9826, 0.4090, 0.2169



12.9826, 0.5392, 0.2868



12.9826, 0.5773, 0.3644

Triad

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



12.9826, 0.5392, 0.2868



12.9826, 0.3028, 0.5972



12.9826, 0.1174, 0.1518

Complementary

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



12.9826, 0.5392, 0.2868



41.8131, 0.2504, 0.4117

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.



12.9826, 0.1029, 0.2004



12.9826, 0.5392, 0.2868



12.9826, 0.1931, 0.4943

Square

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



12.9826, 0.5392, 0.2868



12.9826, 0.4210, 0.5521



12.9826, 0.1239, 0.3156



12.9826, 0.1678, 0.1438

Rectangle

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



12.9826, 0.5392, 0.2868



12.9826, 0.5488, 0.4224



12.9826, 0.1239, 0.3156



12.9826, 0.1090, 0.1625

Sweetspot

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



12.9834, 0.5392, 0.2868



62.0714, 0.3526, 0.3094



10.7434, 0.2562, 0.1251



12.4339, 0.3597, 0.3066



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.



12.9834, 0.5392, 0.2868



21.7482, 0.5851, 0.2997



15.0416, 0.5823, 0.3565



10.1246, 0.3245, 0.3224



7.7406, 0.5777, 0.2956



0.3468, 0.5121, 0.2595

Inverse Universe

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



12.9834, 0.5392, 0.2868



21.7482, 0.5851, 0.2997



30.0486, 0.2116, 0.2728



10.1246, 0.3245, 0.3224



7.7406, 0.5777, 0.2956



0.3468, 0.5121, 0.2595

Previews

White Background



This preview shows how the Yxy color 12.9826, 0.5392, 0.2868 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 12.9826, 0.5392, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

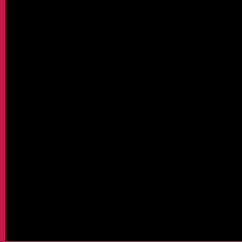
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9826, 0.5392, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 12.9826, 0.5392, 0.2868.



This preview shows how white text looks on a background with the Yxy color 12.9826, 0.5392, 0.2868.

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

12.9826, 0.5392, 0.2868

Protanopia

13.4478, 0.3075, 0.3182

Deuteranopia

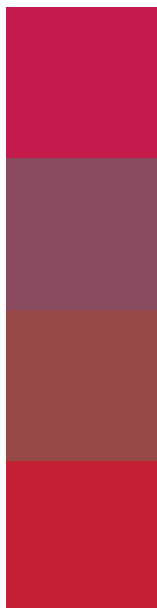
13.3516, 0.3976, 0.3918



Tritanopia

13.0588, 0.5936, 0.3298

Trichromacy



Original Color

12.9826, 0.5392, 0.2868

Protanomaly

11.0421, 0.3898, 0.2902

Deuteranomaly

11.5610, 0.4605, 0.3327

Tritanomaly

12.9288, 0.5774, 0.3157

Monochromacy



Original Color

12.9826, 0.5392, 0.2868

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 12.9826, 0.5392, 0.2868 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(196, 26, 75)` looks like.

```
.text, #text, p{  
    color:rgb(196, 26, 75)  
}
```

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(196, 26, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 26, 75) }
```

Border

The CSS property to change the border of an element to Yxy 12.9826, 0.5392, 0.2868 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(196, 26, 75) }
```

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

```
.border{ border-color:rgb(196, 26, 75) }
```

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

Here you see how a box with a 4 pixel rgb(196, 26, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 26, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 26, 75);  
box-shadow:4px 4px 4px 4px rgb(196, 26,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9826, 0.5392, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 26, 75) }
```

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

```
.background{ background-color: rgb(196, 26,  
75) }
```

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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