

Converting Colors

$Y_{xy}(12.9346, 0.4786, 0.2478)$

Have a look what the booklet for
Yxy(12.9346, 0.4786, 0.2478)
contains.

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Color

Yxy(12.9346, 0.4786, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	C21368
RGB	194, 19, 104
RGB Percent	76%, 7%, 41%
CMY	0.2392, 0.9255, 0.5921
CMYK	0.00, 0.90, 0.46, 0.24
HSL	331°, 82%, 42%
HSV	331°, 90%, 76%
XYZ	24.9818, 12.9346, 14.2813
YIQ	81.0150, 77.0150, 63.5350

Conversions

Conversions Part 2

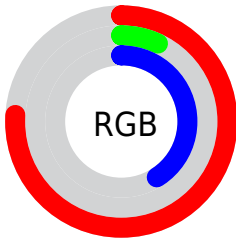
Format	Color
R_{YB}	194, 19, 104
Decimal	12718952
CIE Lab	42.66, 67.42, -0.47
CIE LCh	43, 67.419, 359.600
Yxy	12.9346, 0.4786, 0.2478
Android (android.graphics.Color)	4290909032 (0xFFC21368)
YUV	81.0150, 11.3316, 99.0878
Hunter-Lab	35.9647, 61.0516, 1.6317

Details

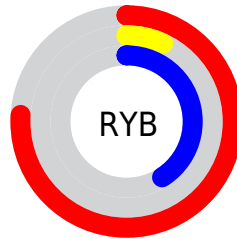
The Yxy color **12.9346, 0.4786, 0.2478** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **39.8286, 0.2685, 0.4792**, and the grayscale version is **8.1961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1087, 0.4375, 0.2674**, and **5.3637, 0.5211, 0.2644** is the 20% darker color. If you saturate the color by 10%, you get **12.2831, 0.5027, 0.2543**, and if you desaturate by 10%, it is **14.0960, 0.4532, 0.2458**.

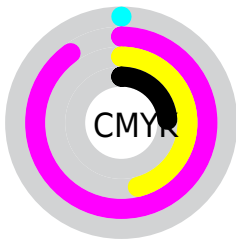
Distribution



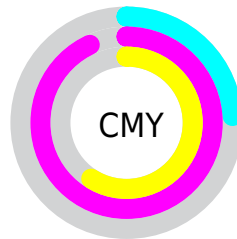
- Red (76%)
- Green (7%)
- Blue (41%)



- Red (76%)
- Yellow (7%)
- Blue (41%)



- Cyan (0%)
- Magenta (90%)
- Yellow (46%)
- Black (24%)



- Cyan (24%)
- Magenta (93%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9346, 0.4786, 0.2478 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 12.9346, 0.4786, 0.2478 by changing the saturation by 10% instead.


 12.9346, 0.4786,
0.2478


 12.9346, 0.4786,
0.2478


210.4981, 0.3799,
0.2960


 7.3835, 0.5100,
0.2325


 31.1862, 0.4381,
0.2675


 3.7031, 0.5549,
0.2107

 44.6556, 0.4244,
0.2742


 1.5089, 0.6234,
0.1776

 61.5332, 0.4133,
0.2797

 0.2950, 0.7911,
0.0949

 82.2034, 0.4042,
0.2841

 0.0000, 1.0000,
0.0000

 107.0505, 0.3966,
0.2878

 0.0000, 0.0000,
0.0000

 136.4591, 0.3902,

0.2910

170.8135, 0.3846,
0.2937

■ 12.9346, 0.4786,
0.2478

■ 12.9346, 0.4786,
0.2478

■ 12.2831, 0.5027,
0.2543

■ 14.0960, 0.4532,
0.2458

■ 15.9293, 0.4279,
0.2489

■ 18.5239, 0.4040,
0.2562

■ 21.9548, 0.3825,
0.2664

■ 26.2879, 0.3636,
0.2785

■ 31.5826, 0.3474,
0.2913

■ 37.8930, 0.3337,
0.3043

■ 45.2692, 0.3223,
0.3168

■ 53.7580, 0.3129,
0.3288

Harmonies

Analogous

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



12.9346, 0.3292, 0.1861



12.9346, 0.4786, 0.2478



12.9346, 0.5721, 0.3220

Triad

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



12.9346, 0.4786, 0.2478



12.9346, 0.3653, 0.5871



12.9346, 0.1049, 0.1704

Complementary

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



12.9346, 0.4786, 0.2478



39.8286, 0.2685, 0.4792

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.



12.9346, 0.1080, 0.2507



12.9346, 0.4786, 0.2478



12.9346, 0.2479, 0.5711

Square

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



12.9346, 0.4786, 0.2478



12.9346, 0.4805, 0.5028



12.9346, 0.1531, 0.4084



12.9346, 0.1353, 0.1432

Rectangle

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



12.9346, 0.4786, 0.2478



12.9346, 0.5757, 0.3755



12.9346, 0.1531, 0.4084



12.9346, 0.1021, 0.1898

Sweetspot

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



12.9354, 0.4786, 0.2478



60.2113, 0.3433, 0.2949



7.4552, 0.2128, 0.0993



12.3699, 0.3484, 0.2904



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.



12.9354, 0.4786, 0.2478



22.2009, 0.5061, 0.2562



11.9825, 0.6223, 0.3299



10.1576, 0.3215, 0.3179



8.0915, 0.4996, 0.2526



0.3635, 0.4494, 0.2249

Inverse Universe

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



12.9354, 0.4786, 0.2478



22.2009, 0.5061, 0.2562



42.6204, 0.2260, 0.3287



10.1576, 0.3215, 0.3179



8.0915, 0.4996, 0.2526



0.3635, 0.4494, 0.2249

Previews

White Background



This preview shows how the Yxy color 12.9346, 0.4786, 0.2478 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 12.9346, 0.4786, 0.2478 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 12.9346, 0.4786, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 12.9346, 0.4786, 0.2478.



This preview shows how white text looks on a background with the Yxy color 12.9346, 0.4786, 0.2478.

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

12.9346, 0.4786, 0.2478

Protanopia

13.4717, 0.2432, 0.2352

Deuteranopia

13.3456, 0.3396, 0.3354



Tritanopia

13.0672, 0.5754, 0.3289

Trichromacy



Original Color

12.9346, 0.4786, 0.2478

Protanomaly

10.6080, 0.3084, 0.2178

Deuteranomaly

11.1208, 0.3941, 0.2779

Tritanomaly

12.8019, 0.5485, 0.3011

Monochromacy



Original Color

12.9346, 0.4786, 0.2478

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

7.8850, 0.3832, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9346, 0.4786, 0.2478 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, 19, 104)` looks like.

```
.text, #text, p{  
    color:rgb(194, 19, 104)  
}
```

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, 19, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 19, 104) }
```

Border

The CSS property to change the border of an element to Yxy 12.9346, 0.4786, 0.2478 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, 19, 104) }
```

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

```
.border{ border-color:rgb(194, 19, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 19, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 19, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 19, 104);  
box-shadow:4px 4px 4px 4px rgb(194, 19,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9346, 0.4786, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 19, 104) }
```

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

```
.background{ background-color: rgb(194, 19,  
104) }
```

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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