

Converting Colors

$Y_{xy}(16.6762, 0.4886, 0.2917)$

Have a look what the booklet for
Yxy(16.6762, 0.4886, 0.2917)
contains.

Yxy(16.5812, 0.4884, 0.2911)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.5812, 0.4884, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	C93D5F
RGB	201, 61, 95
RGB Percent	79%, 24%, 37%
CMY	0.2118, 0.7607, 0.6275
CMYK	0.00, 0.70, 0.53, 0.21
HSL	345°, 56%, 51%
HSV	345°, 70%, 79%
XYZ	27.8195, 16.5812, 12.5598
YIQ	106.7360, 72.5260, 40.2540

Conversions

Conversions Part 2

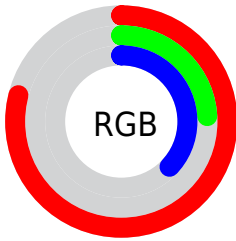
Format	Color
R_{YB}	201, 61, 95
Decimal	13188447
CIE _{Lab}	47.73, 57.29, 12.52
CIE _{LCh}	48, 58.639, 12.326
Yxy	16.5812, 0.4884, 0.2911
Android (android.graphics.Color)	4291378527 (0xFFC93D5F)
YUV	106.7360, -5.7858, 82.6695
Hunter-Lab	40.7200, 50.6894, 10.2165

Details

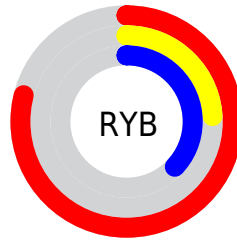
The Yxy color **16.5812, 0.4884, 0.2911** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **45.5518, 0.2500, 0.3824**, and the grayscale version is **14.6299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0269, 0.4404, 0.3010**, and **5.8845, 0.5532, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **14.5725, 0.5278, 0.2923**, and if you desaturate by 10%, it is **19.4496, 0.4504, 0.2933**.

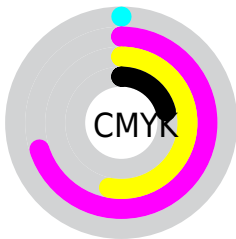
Distribution



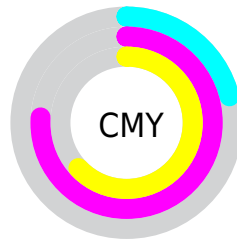
- Red (79%)
- Green (24%)
- Blue (37%)



- Red (79%)
- Yellow (24%)
- Blue (37%)



- Cyan (0%)
- Magenta (70%)
- Yellow (53%)
- Black (21%)





- Cyan (21%)
- Magenta (76%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5812, 0.4884, 0.2911 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 16.5812, 0.4884, 0.2911 by changing the saturation by 10% instead.


 16.5812, 0.4884,
0.2911


 16.5812, 0.4884,
0.2911

232.7473, 0.3857,
0.3164


 9.9364, 0.5198,
0.2818

 37.6043, 0.4470,
0.3023


 5.3568, 0.5636,
0.2675


 52.7513, 0.4327,
0.3058

 2.4581, 0.6279,
0.2438


 71.5012, 0.4211,
0.3086

 0.8555, 0.7721,
0.2138

 94.2384, 0.4115,
0.3108

 0.0000, 1.0000,
0.0000

 121.3471, 0.4035,
0.3126

 0.0000, 0.0000,
0.0000

153.2119, 0.3967,

0.3141

190.2172, 0.3908,
0.3153

■ 16.5812, 0.4884,
0.2911

■ 16.5812, 0.4884,
0.2911

■ 14.5725, 0.5278,
0.2923

■ 19.4496, 0.4504,
0.2933

■ 13.3225, 0.5647,
0.2975

■ 23.2582, 0.4161,
0.2979


■ 12.6564, 0.5956,
0.3057

■ 28.0815, 0.3867,
0.3038


■ 12.6360, 0.5966,
0.3060


■ 33.9857, 0.3622,
0.3103

■ 41.0311, 0.3420,
0.3169

 49.2738, 0.3256,
0.3233

 58.7662, 0.3123,
0.3292

 69.5573, 0.3015,
0.3347

 81.6938, 0.2927,
0.3397

Harmonies

Analogous

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



16.5812, 0.3795, 0.2291



16.5812, 0.4884, 0.2911



16.5812, 0.5342, 0.3621

Triad

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



16.5812, 0.4884, 0.2911



16.5812, 0.3246, 0.5440



16.5812, 0.1410, 0.1813

Complementary

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



16.5812, 0.4884, 0.2911



45.5518, 0.2500, 0.3824

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.



16.5812, 0.1319, 0.2324



16.5812, 0.4884, 0.2911



16.5812, 0.2265, 0.4714

Square

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



16.5812, 0.4884, 0.2911



16.5812, 0.4247, 0.5139



16.5812, 0.1583, 0.3360



16.5812, 0.1835, 0.1689

Rectangle

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



16.5812, 0.4884, 0.2911



16.5812, 0.5211, 0.4129



16.5812, 0.1583, 0.3360



16.5812, 0.1343, 0.1933

Sweetspot

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



16.5821, 0.4884, 0.2911



68.1214, 0.3451, 0.3158



15.6632, 0.2782, 0.1560



13.8345, 0.3505, 0.3140



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.



16.5821, 0.4884, 0.2911



23.6187, 0.5488, 0.2946



21.1216, 0.5090, 0.3693



10.6785, 0.3252, 0.3234



7.9582, 0.5931, 0.3041



0.3887, 0.5321, 0.2705

Inverse Universe

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



16.5821, 0.4884, 0.2911



23.6187, 0.5488, 0.2946



32.4810, 0.2199, 0.2736



10.6785, 0.3252, 0.3234



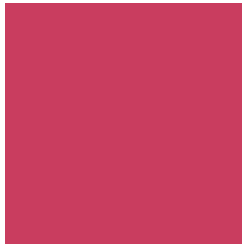
7.9582, 0.5931, 0.3041



0.3887, 0.5321, 0.2705

Previews

White Background



This preview shows how the Yxy color 16.5812, 0.4884, 0.2911 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 16.5812, 0.4884, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

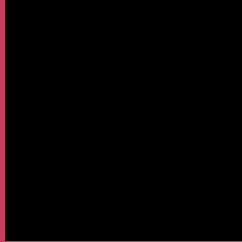
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5812, 0.4884, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 16.5812, 0.4884, 0.2911.



This preview shows how white text looks on a background with the Yxy color 16.5812, 0.4884, 0.2911.

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

16.5812, 0.4884, 0.2911

Protanopia

16.7928, 0.3032, 0.3113

Deuteranopia

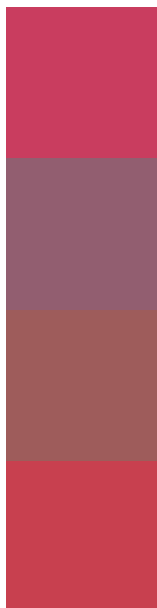
16.7102, 0.3764, 0.3686



Tritanopia

16.6180, 0.5261, 0.3254

Trichromacy



Original Color

16.5812, 0.4884, 0.2911

Protanomaly

15.2863, 0.3657, 0.2976

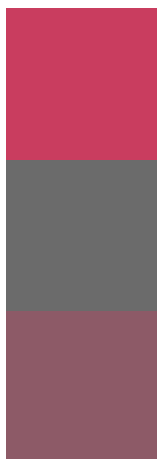
Deuteranomaly

15.6787, 0.4183, 0.3310

Tritanomaly

16.5107, 0.5132, 0.3131

Monochromacy



Original Color

16.5812, 0.4884, 0.2911

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

13.9543, 0.3742, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5812, 0.4884, 0.2911 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(201, 61, 95)` looks like.

```
.text, #text, p{  
    color:rgb(201, 61, 95)  
}
```

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(201, 61, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 61, 95) }
```

Border

The CSS property to change the border of an element to Yxy 16.5812, 0.4884, 0.2911 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(201, 61, 95) }
```

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

```
.border{ border-color:rgb(201, 61, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 61, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 61, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 61, 95);  
box-shadow:4px 4px 4px 4px rgb(201, 61,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5812, 0.4884, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 61, 95) }
```

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

```
.background{ background-color: rgb(201, 61,  
95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor