

# Converting Colors

$Yxy(16.5965, 0.4780, 0.3058)$

Have a look what the booklet for  
Yxy(16.5965, 0.4780, 0.3058)  
contains.

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**Color**

**Yxy(16.5965, 0.4780, 0.3058)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0485B
RGB	192, 72, 91
RGB Percent	75%, 28%, 36%
CMY	0.2471, 0.7176, 0.6431
CMYK	0.00, 0.62, 0.53, 0.25
HSL	351°, 49%, 52%
HSV	351°, 62%, 75%
XYZ	25.9422, 16.5965, 11.7337
YIQ	110.0460, 65.4210, 31.3490

# Conversions

## Conversions Part 2

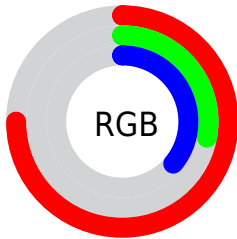
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 72, 91
Decimal	12601435
CIELab	47.75, 49.56, 14.73
CIElCh	48, 51.704, 16.558
Yxy	16.5965, 0.4780, 0.3058
Android (android.graphics.Color)	4290791515 (0xFFC0485B)
YUV	110.0460, -9.3897, 71.8737
Hunter-Lab	40.7388, 42.3747, 11.4403

# Details

The Yxy color **16.5965, 0.4780, 0.3058** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **42.0909, 0.2478, 0.3589**, and the grayscale version is **15.6219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7274, 0.4391, 0.3139**, and **5.3575, 0.5486, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **14.2406, 0.5207, 0.3056**, and if you desaturate by 10%, it is **19.7892, 0.4383, 0.3081**.

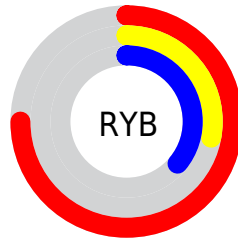
# Distribution



Red (75%)

Green (28%)

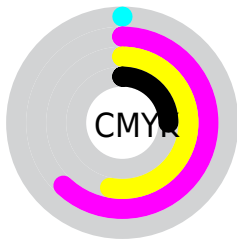
Blue (36%)



Red (75%)

Yellow (28%)

Blue (36%)

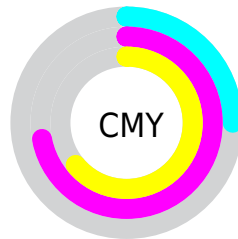


Cyan (0%)

Magenta (62%)

Yellow (53%)

Black (25%)



Cyan (25%)

Magenta (72%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5965, 0.4780, 0.3058 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 16.5965, 0.4780, 0.3058 by changing the saturation by 10% instead.





 16.5965, 0.4780,  
0.3058


 16.5965, 0.4780,  
0.3058


232.8363, 0.3810,  
0.3229


 9.9472, 0.5079,  
0.2987

 37.6307, 0.4388,  
0.3138


 5.3640, 0.5498,  
0.2872


 52.7844, 0.4253,  
0.3162


 2.4624, 0.6118,  
0.2671


 71.5418, 0.4144,  
0.3181

 0.8577, 0.7566,  
0.2434

 94.2871, 0.4053,  
0.3195

 0.0000, 1.0000,  
0.0000

 121.4048, 0.3978,  
0.3206

 0.0000, 0.0000,  
0.0000

153.2793, 0.3914,

0.3215

190.2950, 0.3858,  
0.3222

■ 16.5965, 0.4780,  
0.3058

■ 16.5965, 0.4780,  
0.3058

■ 14.2406, 0.5207,  
0.3056

■ 19.7892, 0.4383,  
0.3081

■ 12.6400, 0.5624,  
0.3080

■ 23.8849, 0.4038,  
0.3116

■ 11.7016, 0.5978,  
0.3133

■ 28.9461, 0.3747,  
0.3157

■ 11.3009, 0.6181,  
0.3179

■ 35.0291, 0.3510,  
0.3199

■ 42.1859, 0.3317,  
0.3241

■ 50.4647, 0.3161,  
0.3281

■ 59.9111, 0.3035,  
0.3317

■ 70.5680, 0.2933,  
0.3350

■ 82.4761, 0.2850,  
0.3381

# Harmonies

## Analogous

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



16.5965, 0.3876, 0.2463



16.5965, 0.4780, 0.3058



16.5965, 0.5109, 0.3731

# Triad

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



16.5965, 0.4780, 0.3058



16.5965, 0.3139, 0.5131



16.5965, 0.1598, 0.1922

# Complementary

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



16.5965, 0.4780, 0.3058



42.0909, 0.2478, 0.3589

# 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.



16.5965, 0.1474, 0.2350



16.5965, 0.4780, 0.3058



16.5965, 0.2266, 0.4371

# Square

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



16.5965, 0.4780, 0.3058



16.5965, 0.4057, 0.5036



16.5965, 0.1682, 0.3214



16.5965, 0.2045, 0.1839



# Rectangle

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



16.5965, 0.4780, 0.3058



16.5965, 0.4959, 0.4201



16.5965, 0.1682, 0.3214



16.5965, 0.1521, 0.2021

# Sweetspot

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



16.5974, 0.4780, 0.3058



67.3933, 0.3444, 0.3213



17.2123, 0.2952, 0.1761



13.6955, 0.3503, 0.3201



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.



16.5974, 0.4780, 0.3058



24.5777, 0.5365, 0.3061



23.2634, 0.4699, 0.3809



10.1033, 0.3265, 0.3254



7.6128, 0.6156, 0.3165



0.3373, 0.5604, 0.2861



# Inverse Universe

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



16.5974, 0.4780, 0.3058



24.5777, 0.5365, 0.3061



27.6399, 0.2230, 0.2632



10.1033, 0.3265, 0.3254



7.6128, 0.6156, 0.3165



0.3373, 0.5604, 0.2861



# Previews

## White Background



This preview shows how the Yxy color 16.5965, 0.4780, 0.3058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

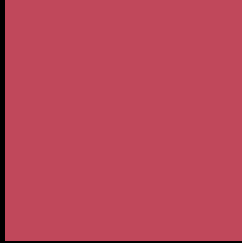
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 16.5965, 0.4780, 0.3058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

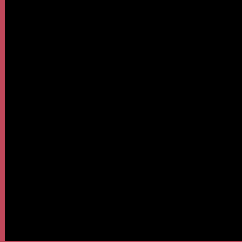
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 16.5965, 0.4780, 0.3058**

## Background



This preview shows how black text looks on a background with the Yxy color 16.5965, 0.4780, 0.3058.



This preview shows how white text looks on a background with the Yxy color 16.5965, 0.4780, 0.3058.

# 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

16.5965, 0.4780, 0.3058

### Protanopia

16.6931, 0.3179, 0.3310

### Deuteranopia

16.6615, 0.3805, 0.3743



## Tritanopia

16.5384, 0.4956, 0.3234

# Trichromacy



## Original Color

16.5965, 0.4780, 0.3058

## Protanomaly

15.6641, 0.3735, 0.3185

## Deuteranomaly

16.0224, 0.4174, 0.3444

## Tritanomaly

16.4660, 0.4898, 0.3172

# Monochromacy



## Original Color

16.5965, 0.4780, 0.3058

## Achromatopsia

15.5926, 0.3127, 0.3290

## Achromatomaly

14.9205, 0.3699, 0.3164

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 16.5965, 0.4780, 0.3058 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(192, 72, 91)` looks like.

```
.text, #text, p{  
    color:rgb(192, 72, 91)  
}
```

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(192, 72, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 72, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 16.5965, 0.4780, 0.3058 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(192, 72, 91) }
```

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

```
.border{ border-color:rgb(192, 72, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 72, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 72, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 72, 91);  
box-shadow:4px 4px 4px 4px rgb(192, 72,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 16.5965, 0.4780, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 72, 91) }
```

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

```
.background{ background-color: rgb(192, 72,  
91) }
```

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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