

Converting Colors

$Y_{xy}(16.2036, 0.5020, 0.3048)$

Have a look what the booklet for
Yxy(16.2036, 0.5020, 0.3048)
contains.

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Color

Yxy(16.2167, 0.5016, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	C63F55
RGB	198, 63, 85
RGB Percent	78%, 25%, 33%
CMY	0.2236, 0.7529, 0.6666
CMYK	0.00, 0.68, 0.57, 0.22
HSL	350°, 54%, 51%
HSV	350°, 68%, 78%
XYZ	26.7048, 16.2167, 10.3178
YIQ	105.8730, 73.3980, 35.4620

Conversions

Conversions Part 2

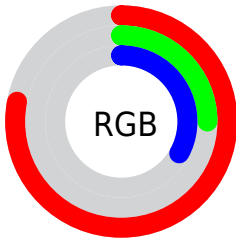
Format	Color
R_{YB}	198, 63, 85
Decimal	12992341
CIE Lab	47.26, 54.82, 17.88
CIE LCh	47, 57.663, 18.067
Yxy	16.2167, 0.5016, 0.3046
Android (android.graphics.Color)	4291182421 (0xFFC63F55)
YUV	105.8730, -10.2904, 80.7954
Hunter-Lab	40.2700, 47.8990, 12.9980

Details

The Yxy color **16.2167, 0.5016, 0.3046** 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 **44.5773, 0.2450, 0.3631**, and the grayscale version is **14.3921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1749, 0.4530, 0.3143**, and **5.5565, 0.5740, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **14.1711, 0.5442, 0.3059**, and if you desaturate by 10%, it is **19.1141, 0.4599, 0.3059**.

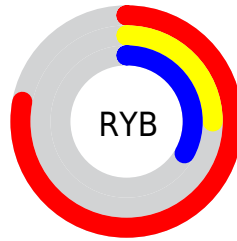
Distribution



Red (78%)

Green (25%)

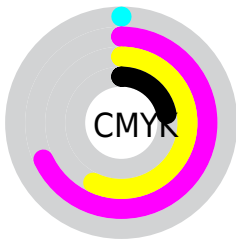
Blue (33%)



Red (78%)

Yellow (25%)

Blue (33%)

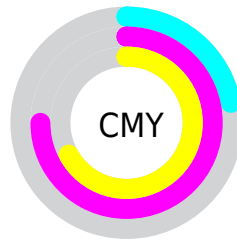


Cyan (0%)

Magenta (68%)

Yellow (57%)

Black (22%)



Cyan (22%)


Magenta (75%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2167, 0.5016, 0.3046 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 16.2167, 0.5016, 0.3046 by changing the saturation by 10% instead.


 16.2167, 0.5016,
0.3046


 16.2167, 0.5016,
0.3046


230.6170, 0.3907,
0.3237


 9.6776, 0.5353,
0.2963


 36.9740, 0.4569,
0.3138


 5.1857, 0.5821,
0.2827

 51.9610, 0.4415,
0.3165


 2.3567, 0.6500,
0.2589

 70.5328, 0.4290,
0.3185

 0.8035, 0.7792,
0.2208

 93.0737, 0.4187,
0.3201

 0.0000, 1.0000,
0.0000

 119.9682, 0.4100,
0.3213

 0.0000, 0.0000,
0.0000

151.6007, 0.4026,

0.3222

188.3555, 0.3963,
0.3230

■ 16.2167, 0.5016,
0.3046

■ 16.2167, 0.5016,
0.3046

■ 14.1711, 0.5442,
0.3059

■ 19.1141, 0.4599,
0.3059

■ 12.8810, 0.5830,
0.3101

■ 22.9405, 0.4224,
0.3088

■ 12.2065, 0.6129,
0.3165

■ 27.7674, 0.3903,
0.3128

■ 12.1105, 0.6174,
0.3175

■ 33.6586, 0.3637,
0.3171

■ 40.6725, 0.3420,
0.3215

■ 48.8634, 0.3245,
0.3258

■ 58.2819, 0.3103,
0.3297

■ 68.9758, 0.2989,
0.3333

■ 80.9903, 0.2896,
0.3366

Harmonies

Analogous

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



16.2167, 0.4019, 0.2405



16.2167, 0.5016, 0.3046



16.2167, 0.5320, 0.3765

Triad

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



16.2167, 0.5016, 0.3046



16.2167, 0.3052, 0.5367



16.2167, 0.1475, 0.1775

Complementary

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



16.2167, 0.5016, 0.3046



44.5773, 0.2450, 0.3631

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.



16.2167, 0.1323, 0.2199



16.2167, 0.5016, 0.3046



16.2167, 0.2113, 0.4457

Square

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



16.2167, 0.5016, 0.3046



16.2167, 0.4061, 0.5237



16.2167, 0.1514, 0.3123



16.2167, 0.1968, 0.1711

Rectangle

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



16.2167, 0.5016, 0.3046



16.2167, 0.5107, 0.4277



16.2167, 0.1514, 0.3123



16.2167, 0.1389, 0.1870

Sweetspot

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



16.2176, 0.5016, 0.3046



69.2148, 0.3463, 0.3206



16.8053, 0.2927, 0.1653



14.0385, 0.3523, 0.3194



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.



16.2176, 0.5016, 0.3046



23.7848, 0.5647, 0.3076



23.0909, 0.4905, 0.3833



10.6647, 0.3264, 0.3253



7.8849, 0.6148, 0.3160



0.3824, 0.5620, 0.2869

Inverse Universe

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



16.2176, 0.5016, 0.3046



23.7848, 0.5647, 0.3076



27.9170, 0.2166, 0.2558



10.6647, 0.3264, 0.3253



7.8849, 0.6148, 0.3160



0.3824, 0.5620, 0.2869

Previews

White Background



This preview shows how the Yxy color 16.2167, 0.5016, 0.3046 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 16.2167, 0.5016, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

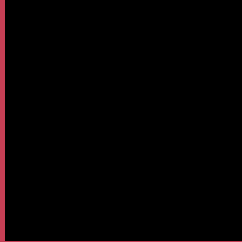
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2167, 0.5016, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 16.2167, 0.5016, 0.3046.



This preview shows how white text looks on a background with the Yxy color 16.2167, 0.5016, 0.3046.

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

16.2167, 0.5016, 0.3046

Protanopia

16.3841, 0.3231, 0.3371

Deuteranopia

16.3435, 0.3908, 0.3854



Tritanopia

16.2089, 0.5233, 0.3252

Trichromacy



Original Color

16.2167, 0.5016, 0.3046

Protanomaly

15.0365, 0.3847, 0.3186

Deuteranomaly

15.4165, 0.4330, 0.3474

Tritanomaly

16.1589, 0.5161, 0.3185

Monochromacy



Original Color

16.2167, 0.5016, 0.3046

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.6831, 0.3793, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2167, 0.5016, 0.3046 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(198, 63, 85)` looks like.

```
.text, #text, p{  
  color:rgb(198, 63, 85)  
}
```

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(198, 63, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 63, 85) }
```

Border

The CSS property to change the border of an element to Yxy 16.2167, 0.5016, 0.3046 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(198, 63, 85) }
```

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

```
.border{ border-color:rgb(198, 63, 85) }
```

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

Here you see how a box with a 4 pixel rgb(198, 63, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 63, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 63, 85);  
box-shadow:4px 4px 4px 4px rgb(198, 63,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2167, 0.5016, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 63, 85) }
```

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

```
.background{ background-color: rgb(198, 63,  
85) }
```

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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