

Converting Colors

$Y_{xy}(16.1009, 0.5442, 0.3196)$

Have a look what the booklet for
Yxy(16.1009, 0.5442, 0.3196)
contains.

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Color

Yxy(16.0591, 0.5441, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	CC3842
RGB	204, 56, 66
RGB Percent	80%, 22%, 26%
CMY	0.2000, 0.7803, 0.7412
CMYK	0.00, 0.73, 0.68, 0.20
HSL	356°, 59%, 51%
HSV	356°, 73%, 80%
XYZ	27.2970, 16.0591, 6.8130
YIQ	101.3920, 84.9980, 34.4860

Conversions

Conversions Part 2

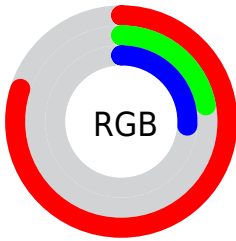
Format	Color
RYB	204, 56, 66
Decimal	13383746
CIELab	47.05, 58.11, 29.31
CIELCh	47, 65.082, 26.766
Yxy	16.0591, 0.5441, 0.3201
Android (android.graphics.Color)	4291573826 (0xFFCC3842)
YUV	101.3920, -17.4483, 89.9872
Hunter-Lab	40.0738, 51.4592, 17.9718

Details

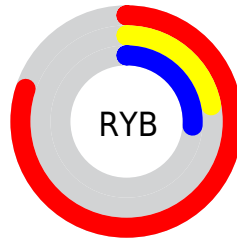
The Yxy color **16.0591, 0.5441, 0.3201** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **47.9186, 0.2364, 0.3436**, and the grayscale version is **13.1530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2852, 0.4809, 0.3285**, and **5.8126, 0.6127, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **14.2801, 0.5865, 0.3218**, and if you desaturate by 10%, it is **18.7198, 0.4979, 0.3197**.

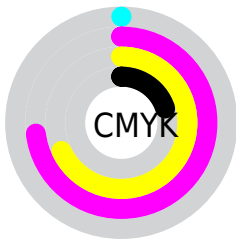
Distribution



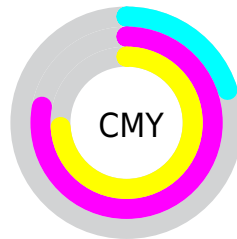
- Red (80%)
- Green (22%)
- Blue (26%)



- Red (80%)
- Yellow (22%)
- Blue (26%)



- Cyan (0%)
- Magenta (73%)
- Yellow (68%)
- Black (20%)





- Cyan (20%)
- Magenta (78%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0591, 0.5441, 0.3201 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 16.0591, 0.5441, 0.3201 by changing the saturation by 10% instead.


 16.0591, 0.5441,
0.3201


 16.0591, 0.5441,
0.3201


229.6902, 0.4096,
0.3345


 9.5660, 0.5829,
0.3109


 36.7008, 0.4909,
0.3289


 5.1122, 0.6342,
0.2947

 51.6181, 0.4722,
0.3310


 2.3132, 0.7257,
0.2736

 70.1123, 0.4569,
0.3324

 0.7807, 0.7918,
0.2082

 92.5678, 0.4442,
0.3333

 0.0000, 1.0000,
0.0000

 119.3689, 0.4334,
0.3338

 0.0000, 0.0000,
0.0000

 150.9001, 0.4243,

0.3342

187.5457, 0.4165,
0.3344

■ 16.0591, 0.5441,
0.3201

■ 16.0591, 0.5441,
0.3201

■ 14.2801, 0.5865,
0.3218

■ 18.7198, 0.4979,
0.3197

■ 13.2675, 0.6186,
0.3246


■ 22.3533, 0.4538,
0.3204


■ 12.8668, 0.6337,
0.3264

■ 27.0424, 0.4148,
0.3217

■ 32.8606, 0.3821,
0.3234

■ 39.8745, 0.3554,
0.3252

 48.1456, 0.3338,
0.3269

 57.7313, 0.3165,
0.3286

 68.6853, 0.3027,
0.3301

 81.0586, 0.2915,
0.3315

Harmonies

Analogous

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



16.0591, 0.4508, 0.2493



16.0591, 0.5441, 0.3201



16.0591, 0.5479, 0.3982

Triad

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



16.0591, 0.5441, 0.3201



16.0591, 0.2676, 0.5506



16.0591, 0.1436, 0.1574

Complementary

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



16.0591, 0.5441, 0.3201



47.9186, 0.2364, 0.3436

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.



16.0591, 0.1175, 0.1886



16.0591, 0.5441, 0.3201



16.0591, 0.1744, 0.4165

Square

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



16.0591, 0.5441, 0.3201



16.0591, 0.3782, 0.5603



16.0591, 0.1252, 0.2710



16.0591, 0.2075, 0.1606

Rectangle

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



16.0591, 0.5441, 0.3201



16.0591, 0.5083, 0.4557



16.0591, 0.1252, 0.2710



16.0591, 0.1311, 0.1634

Sweetspot

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



16.0600, 0.5441, 0.3201



66.3572, 0.3548, 0.3252



18.3522, 0.3055, 0.1651



13.4736, 0.3615, 0.3247



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.



16.0600, 0.5441, 0.3201



22.5701, 0.6061, 0.3232



26.0029, 0.4921, 0.3992



11.2257, 0.3280, 0.3275



8.1045, 0.6320, 0.3255



0.4225, 0.6061, 0.3113

Inverse Universe

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



16.0600, 0.5441, 0.3201



22.5701, 0.6061, 0.3232



24.6476, 0.2068, 0.2291



11.2257, 0.3280, 0.3275



8.1045, 0.6320, 0.3255



0.4225, 0.6061, 0.3113

Previews

White Background



This preview shows how the Yxy color 16.0591, 0.5441, 0.3201 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 16.0591, 0.5441, 0.3201 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 16.0591, 0.5441, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 16.0591, 0.5441, 0.3201.



This preview shows how white text looks on a background with the Yxy color 16.0591, 0.5441, 0.3201.

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

16.0591, 0.5441, 0.3201

Protanopia

16.2695, 0.3559, 0.3794

Deuteranopia

16.2242, 0.4232, 0.4161



Tritanopia

16.0899, 0.5522, 0.3269

Trichromacy



Original Color

16.0591, 0.5441, 0.3201

Protanomaly

14.7981, 0.4275, 0.3515

Deuteranomaly

14.9978, 0.4746, 0.3701

Tritanomaly

16.1114, 0.5493, 0.3250

Monochromacy



Original Color

16.0591, 0.5441, 0.3201

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6049, 0.3978, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0591, 0.5441, 0.3201 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(204, 56, 66)` looks like.

```
.text, #text, p{  
    color:rgb(204, 56, 66)  
}
```

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(204, 56, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 56, 66) }
```

Border

The CSS property to change the border of an element to Yxy 16.0591, 0.5441, 0.3201 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(204, 56, 66) }
```

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

```
.border{ border-color:rgb(204, 56, 66) }
```

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

Here you see how a box with a 4 pixel rgb(204, 56, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 56, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 56, 66);  
box-shadow:4px 4px 4px 4px rgb(204, 56,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0591, 0.5441, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 56, 66) }
```

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

```
.background{ background-color: rgb(204, 56,  
66) }
```

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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