

Converting Colors

$Y_{xy}(16.1955, 0.5288, 0.3242)$

Have a look what the booklet for
Yxy(16.1955, 0.5288, 0.3242)
contains.

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Color

Yxy(16.2386, 0.5285, 0.3243)

Conversions

Conversions Part 1

Format	Color
Hex	C74045
RGB	199, 64, 69
RGB Percent	78%, 25%, 27%
CMY	0.2196, 0.7490, 0.7294
CMYK	0.00, 0.68, 0.65, 0.22
HSL	358°, 55%, 52%
HSV	358°, 68%, 78%
XYZ	26.4635, 16.2386, 7.3707
YIQ	104.9350, 78.8550, 30.1750

Conversions

Conversions Part 2

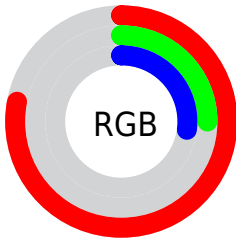
Format	Color
RYB	199, 64, 69
Decimal	13058117
CIELab	47.29, 53.71, 27.60
CIElCh	47, 60.386, 27.201
Yxy	16.2386, 0.5285, 0.3243
Android (android.graphics.Color)	4291248197 (0xFFC74045)
YUV	104.9350, -17.7160, 82.4950
Hunter-Lab	40.2971, 46.7024, 17.3633

Details

The Yxy color **16.2386, 0.5285, 0.3243** 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 **45.8373, 0.2368, 0.3363**, and the grayscale version is **14.1406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7380, 0.4734, 0.3315**, and **5.4779, 0.6055, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **14.1809, 0.5737, 0.3250**, and if you desaturate by 10%, it is **19.1754, 0.4818, 0.3243**.

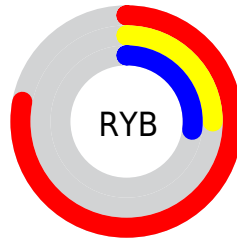
Distribution



Red (78%)

Green (25%)

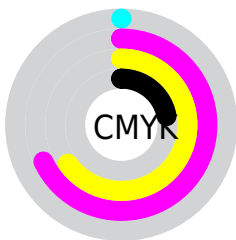
Blue (27%)



Red (78%)

Yellow (25%)

Blue (27%)

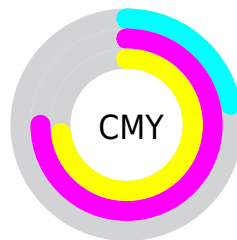


Cyan (0%)

Magenta (68%)

Yellow (65%)

Black (22%)



Cyan (22%)


Magenta (75%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2386, 0.5285, 0.3243 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 16.2386, 0.5285, 0.3243 by changing the saturation by 10% instead.


 16.2386, 0.5285,
0.3243

 16.2386, 0.5285,
0.3243


230.7456, 0.4027,
0.3352


 9.6931, 0.5653,
0.3167


 37.0119, 0.4785,
0.3314


 5.1960, 0.6147,
0.3028

 52.0086, 0.4610,
0.3330


 2.3627, 0.6985,
0.2831

 70.5911, 0.4467,
0.3339

 0.8066, 0.7752,
0.2248

 93.1439, 0.4348,
0.3345

 0.0000, 1.0000,
0.0000

 120.0514, 0.4249,
0.3349

 0.0000, 0.0000,
0.0000

151.6979, 0.4164,

0.3351

188.4678, 0.4091,
0.3352

■ 16.2386, 0.5285,
0.3243

■ 16.2386, 0.5285,
0.3243

■ 14.1809, 0.5737,
0.3250

■ 19.1754, 0.4818,
0.3243

■ 12.9022, 0.6105,
0.3264

■ 23.0718, 0.4386,
0.3248

■ 12.2623, 0.6331,
0.3280

■ 28.0023, 0.4014,
0.3255

■ 12.1600, 0.6365,
0.3280

■ 34.0333, 0.3706,
0.3265

■ 41.2257, 0.3456,
0.3274

■ 49.6360, 0.3256,
0.3283

■ 59.3168, 0.3096,
0.3292

■ 70.3178, 0.2967,
0.3300

■ 82.6860, 0.2863,
0.3307

Harmonies

Analogous

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



16.2386, 0.4426, 0.2557



16.2386, 0.5285, 0.3243



16.2386, 0.5337, 0.3997

Triad

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



16.2386, 0.5285, 0.3243



16.2386, 0.2717, 0.5301



16.2386, 0.1534, 0.1668

Complementary

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



16.2386, 0.5285, 0.3243



45.8373, 0.2368, 0.3363

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.



16.2386, 0.1277, 0.1971



16.2386, 0.5285, 0.3243



16.2386, 0.1832, 0.4078

Square

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



16.2386, 0.5285, 0.3243



16.2386, 0.3766, 0.5456



16.2386, 0.1355, 0.2752



16.2386, 0.2156, 0.1699

Rectangle

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



16.2386, 0.5285, 0.3243



16.2386, 0.4980, 0.4538



16.2386, 0.1355, 0.2752



16.2386, 0.1411, 0.1727

Sweetspot

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



16.2395, 0.5285, 0.3243



68.8968, 0.3512, 0.3272



19.0307, 0.3117, 0.1747



13.9640, 0.3582, 0.3269



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.



16.2395, 0.5285, 0.3243



23.6976, 0.5912, 0.3255



27.1183, 0.4722, 0.4029



10.6432, 0.3284, 0.3282



7.8209, 0.6355, 0.3275



0.3726, 0.6198, 0.3188

Inverse Universe

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



16.2395, 0.5285, 0.3243



23.6976, 0.5912, 0.3255



23.4637, 0.2103, 0.2290



10.6432, 0.3284, 0.3282



7.8209, 0.6355, 0.3275



0.3726, 0.6198, 0.3188

Previews

White Background



This preview shows how the Yxy color 16.2386, 0.5285, 0.3243 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 16.2386, 0.5285, 0.3243 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 16.2386, 0.5285, 0.3243

Background



This preview shows how black text looks on a background with the Yxy color 16.2386, 0.5285, 0.3243.



This preview shows how white text looks on a background with the Yxy color 16.2386, 0.5285, 0.3243.

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

16.2386, 0.5285, 0.3243

Protanopia

16.5079, 0.3541, 0.3793

Deuteranopia

16.4762, 0.4173, 0.4114



Tritanopia

16.2263, 0.5300, 0.3254

Trichromacy



Original Color

16.2386, 0.5285, 0.3243

Protanomaly

15.1681, 0.4189, 0.3535

Deuteranomaly

15.5095, 0.4616, 0.3713

Tritanomaly

16.2263, 0.5300, 0.3254

Monochromacy



Original Color

16.2386, 0.5285, 0.3243

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.5740, 0.3893, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2386, 0.5285, 0.3243 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(199, 64, 69)` looks like.

```
.text, #text, p{  
    color:rgb(199, 64, 69)  
}
```

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(199, 64, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 64, 69) }
```

Border

The CSS property to change the border of an element to Yxy 16.2386, 0.5285, 0.3243 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(199, 64, 69) }
```

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

```
.border{ border-color:rgb(199, 64, 69) }
```

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

Here you see how a box with a 4 pixel rgb(199, 64, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 64, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 64, 69);  
box-shadow:4px 4px 4px 4px rgb(199, 64,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2386, 0.5285, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 64, 69) }
```

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

```
.background{ background-color: rgb(199, 64,  
69) }
```

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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