

Converting Colors

$Yxy(16.6849, 0.5426, 0.3429)$

Have a look what the booklet for
Yxy(16.6849, 0.5426, 0.3429)
contains.

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Color

Yxy(16.6839, 0.5426, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	C74538
RGB	199, 69, 56
RGB Percent	78%, 27%, 22%
CMY	0.2195, 0.7295, 0.7804
CMYK	0.00, 0.65, 0.72, 0.22
HSL	5°, 56%, 50%
HSV	5°, 72%, 78%
XYZ	26.4004, 16.6839, 5.5710
YIQ	106.3880, 81.6530, 23.5170

Conversions

Conversions Part 2

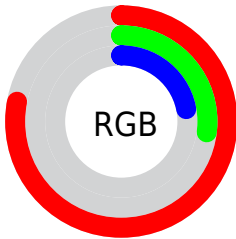
Format	Color
R_{YB}	199, 70, 56
Decimal	13059384
CIE _{Lab}	47.86, 50.98, 35.85
CIE _{LCh}	48, 62.323, 35.120
Yxy	16.6839, 0.5426, 0.3429
Android (android.graphics.Color)	4291249464 (0xFFC74538)
YUV	106.3880, -24.8413, 81.2207
Hunter-Lab	40.8459, 43.8913, 20.5055

Details

The Yxy color **16.6839, 0.5426, 0.3429** 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 **40.1058, 0.2273, 0.3089**, and the grayscale version is **14.5765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4254, 0.4854, 0.3479**, and **5.4298, 0.6272, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **14.6309, 0.5845, 0.3413**, and if you desaturate by 10%, it is **19.4949, 0.4972, 0.3428**.

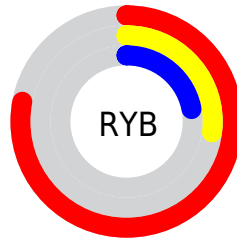
Distribution



Red (78%)

Green (27%)

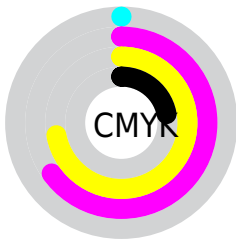
Blue (22%)



Red (78%)

Yellow (27%)

Blue (22%)

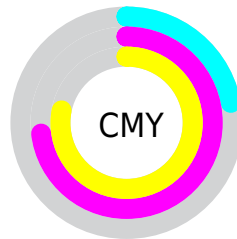


Cyan (0%)

Magenta (65%)

Yellow (72%)

Black (22%)



Cyan (22%)


Magenta (73%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6839, 0.5426, 0.3429 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 16.6839, 0.5426, 0.3429 by changing the saturation by 10% instead.


 16.6839, 0.5426,
0.3429


 16.6839, 0.5426,
0.3429


233.3441, 0.4105,
0.3459


 10.0094, 0.5793,
0.3360


 37.7815, 0.4911,
0.3478


 5.4052, 0.6269,
0.3223

 52.9733, 0.4727,
0.3484


 2.4869, 0.7001,
0.2999

 71.7731, 0.4576,
0.3484

 0.8701, 0.7608,
0.2392

 94.5651, 0.4450,
0.3481

 0.0000, 1.0000,
0.0000

 121.7339, 0.4343,
0.3476

 0.0000, 0.0000,
0.0000

 153.6637, 0.4252,

0.3470

190.7390, 0.4174,
0.3465

■ 16.6839, 0.5426,
0.3429

■ 16.6839, 0.5426,
0.3429

■ 14.6309, 0.5845,
0.3413

■ 19.4949, 0.4972,
0.3428

■ 13.2594, 0.6166,
0.3380

■ 23.1253, 0.4538,
0.3415

■ 12.5799, 0.6335,
0.3352

■ 27.6332, 0.4152,
0.3393

■ 33.0709, 0.3825,
0.3368

■ 39.4864, 0.3555,
0.3343

■ 46.9245, 0.3335,
0.3318

■ 55.4272, 0.3156,
0.3294

■ 65.0341, 0.3011,
0.3273

■ 75.7829, 0.2893,
0.3253

Harmonies

Analogous

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



16.6839, 0.4752, 0.2716



16.6839, 0.5426, 0.3429



16.6839, 0.5260, 0.4212

Triad

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



16.6839, 0.5426, 0.3429



16.6839, 0.2435, 0.5106



16.6839, 0.1635, 0.1620

Complementary

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



16.6839, 0.5426, 0.3429



40.1058, 0.2273, 0.3089

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.



16.6839, 0.1285, 0.1825



16.6839, 0.5426, 0.3429



16.6839, 0.1633, 0.3698

Square

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



16.6839, 0.5426, 0.3429



16.6839, 0.3486, 0.5574



16.6839, 0.1269, 0.2469



16.6839, 0.2374, 0.1730

Rectangle

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



16.6839, 0.5426, 0.3429



16.6839, 0.4800, 0.4769



16.6839, 0.1269, 0.2469



16.6839, 0.1479, 0.1650

Sweetspot

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



16.6849, 0.5426, 0.3429



68.5591, 0.3567, 0.3344



18.5671, 0.3349, 0.1831



13.9804, 0.3636, 0.3351



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.



16.6849, 0.5426, 0.3429



24.1744, 0.6035, 0.3397



31.0225, 0.4627, 0.4276



10.7890, 0.3287, 0.3312



8.1438, 0.6322, 0.3362



0.4400, 0.6079, 0.3555

Inverse Universe

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



40.1058, 0.2273, 0.3089



67.0686, 0.2199, 0.3041



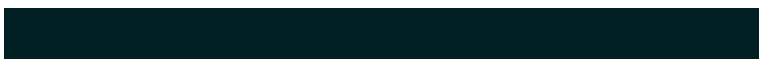
17.3639, 0.1973, 0.1888



11.8967, 0.2984, 0.3268



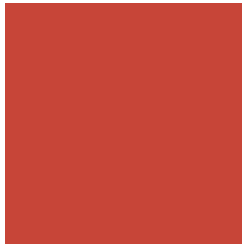
23.9562, 0.2168, 0.3006



1.1836, 0.2186, 0.3070

Previews

White Background



This preview shows how the Yxy color 16.6839, 0.5426, 0.3429 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 16.6839, 0.5426, 0.3429 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 16.6839, 0.5426, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 16.6839, 0.5426, 0.3429.



This preview shows how white text looks on a background with the Yxy color 16.6839, 0.5426, 0.3429.

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

16.6839, 0.5426, 0.3429

Protanopia

16.8495, 0.3822, 0.4125

Deuteranopia

16.9015, 0.4375, 0.4310



Tritanopia

16.7486, 0.5237, 0.3253

Trichromacy



Original Color

16.6839, 0.5426, 0.3429

Protanomaly

15.8041, 0.4426, 0.3823

Deuteranomaly

16.0310, 0.4815, 0.3917

Tritanomaly

16.8070, 0.5304, 0.3318

Monochromacy



Original Color

16.6839, 0.5426, 0.3429

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1087, 0.3956, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6839, 0.5426, 0.3429 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, 69, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 69, 56)  
}
```

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, 69, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 69, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.6839, 0.5426, 0.3429 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, 69, 56) }
```

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

```
.border{ border-color:rgb(199, 69, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 69, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 69, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 69, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 69,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6839, 0.5426, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 69, 56) }
```

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

```
.background{ background-color: rgb(199, 69,  
56) }
```

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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