

Converting Colors

$Yxy(16.3344, 0.5397, 0.3181)$

Have a look what the booklet for
Yxy(16.3344, 0.5397, 0.3181)
contains.

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Color

Yxy(16.3351, 0.5395, 0.3180)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CD3945 |
| RGB | 205, 57, 69 |
| RGB Percent | 80%, 22%, 27% |
| CMY | 0.1961, 0.7764, 0.7295 |
| CMYK | 0.00, 0.72, 0.66, 0.20 |
| HSL | 355°, 60%, 51% |
| HSV | 355°, 72%, 80% |
| XYZ | 27.7132, 16.3351, 7.3200 |
| YIQ | 102.6200, 84.3560, 35.1080 |

Conversions

Conversions Part 2

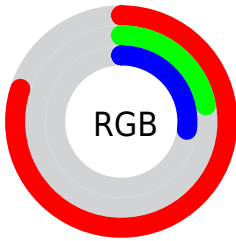
| Format | Color |
|-------------------------------------|--|
| RYB | 205, 57, 69 |
| Decimal | 13449541 |
| CIELab | 47.41, 58.23, 28.01 |
| CIElCh | 47, 64.614, 25.686 |
| Yxy | 16.3351, 0.5395, 0.3180 |
| Android (android.graphics.Color) | 4291639621 (0xFFCD3945) |
| YUV | 102.6200, -16.5747, 89.7873 |
| Hunter-Lab | 40.4167, 51.6657, 17.5535 |

Details

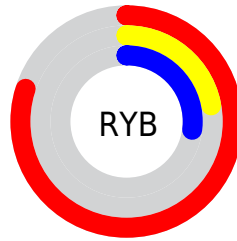
The Yxy color **16.3351, 0.5395, 0.3180** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **48.3829, 0.2375, 0.3466**, and the grayscale version is **13.4876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5790, 0.4766, 0.3266**, and **5.9142, 0.6079, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **14.5035, 0.5822, 0.3198**, and if you desaturate by 10%, it is **19.0607, 0.4937, 0.3177**.

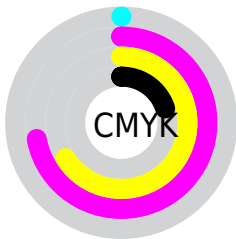
Distribution



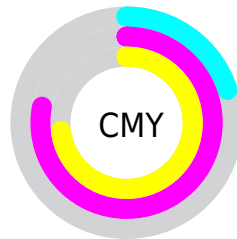
- Red (80%)
- Green (22%)
- Blue (27%)



- Red (80%)
- Yellow (22%)
- Blue (27%)



- Cyan (0%)
- Magenta (72%)
- Yellow (66%)
- Black (20%)





- Cyan (20%)
- Magenta (78%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3351, 0.5395, 0.3180 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 16.3351, 0.5395, 0.3180 by changing the saturation by 10% instead.


 16.3351, 0.5395,
0.3180


 16.3351, 0.5395,
0.3180


231.3110, 0.4078,
0.3330


 9.7616, 0.5776,
0.3090


 37.1790, 0.4873,
0.3268


 5.2412, 0.6284,
0.2933

 52.2181, 0.4690,
0.3290

 2.3895, 0.7131,
0.2709

 70.8480, 0.4540,
0.3305

 0.8205, 0.7888,
0.2112

 93.4529, 0.4416,
0.3315

 0.0000, 1.0000,
0.0000

 120.4172, 0.4311,
0.3321

 0.0000, 0.0000,
0.0000

152.1255, 0.4222,

0.3326

188.9619, 0.4145,
0.3329

■ 16.3351, 0.5395,
0.3180

■ 16.3351, 0.5395,
0.3180

■ 14.5035, 0.5822,
0.3198

■ 19.0607, 0.4937,
0.3177

■ 13.4503, 0.6153,
0.3231


■ 22.7716, 0.4503,
0.3186

■ 13.0178, 0.6321,
0.3256


■ 27.5511, 0.4121,
0.3203

■ 33.4728, 0.3801,
0.3223

■ 40.6038, 0.3539,
0.3245

 49.0060, 0.3329,
0.3266

 58.7372, 0.3159,
0.3286

 69.8515, 0.3024,
0.3304

 82.4000, 0.2914,
0.3321

Harmonies

Analogous

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



16.3351, 0.4446, 0.2479



16.3351, 0.5395, 0.3180



16.3351, 0.5469, 0.3954

Triad

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



16.3351, 0.5395, 0.3180



16.3351, 0.2724, 0.5500



16.3351, 0.1436, 0.1594

Complementary

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



16.3351, 0.5395, 0.3180



48.3829, 0.2375, 0.3466

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.



16.3351, 0.1188, 0.1920



16.3351, 0.5395, 0.3180



16.3351, 0.1787, 0.4212

Square

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



16.3351, 0.5395, 0.3180



16.3351, 0.3821, 0.5561



16.3351, 0.1279, 0.2761



16.3351, 0.2056, 0.1615

Rectangle

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



16.3351, 0.5395, 0.3180



16.3351, 0.5095, 0.4521



16.3351, 0.1279, 0.2761



16.3351, 0.1316, 0.1659

Sweetspot

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



16.3361, 0.5395, 0.3180



66.3935, 0.3542, 0.3244



18.6290, 0.3055, 0.1655



13.4820, 0.3608, 0.3239



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.



16.3361, 0.5395, 0.3180



22.5959, 0.6034, 0.3216



26.3907, 0.4911, 0.3991



11.2281, 0.3278, 0.3272



8.1101, 0.6302, 0.3245



0.4236, 0.5998, 0.3078

Inverse Universe

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



16.3361, 0.5395, 0.3180



22.5959, 0.6034, 0.3216



25.0246, 0.2072, 0.2296



11.2281, 0.3278, 0.3272



8.1101, 0.6302, 0.3245



0.4236, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 16.3351, 0.5395, 0.3180 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 16.3351, 0.5395, 0.3180 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 16.3351, 0.5395, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 16.3351, 0.5395, 0.3180.



This preview shows how white text looks on a background with the Yxy color 16.3351, 0.5395, 0.3180.

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

16.3351, 0.5395, 0.3180

Protanopia

16.5587, 0.3502, 0.3732

Deuteranopia

16.5510, 0.4200, 0.4125



Tritanopia

16.3422, 0.5507, 0.3269

Trichromacy



Original Color

16.3351, 0.5395, 0.3180

Protanomaly

15.0325, 0.4203, 0.3464

Deuteranomaly

15.3015, 0.4704, 0.3672

Tritanomaly

16.3754, 0.5463, 0.3240

Monochromacy



Original Color

16.3351, 0.5395, 0.3180

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.9864, 0.3951, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3351, 0.5395, 0.3180 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(205, 57, 69)` looks like.

```
.text, #text, p{  
    color:rgb(205, 57, 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(205, 57, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 57, 69) }
```

Border

The CSS property to change the border of an element to Yxy 16.3351, 0.5395, 0.3180 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(205, 57, 69) }
```

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

```
.border{ border-color:rgb(205, 57, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 57, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 57, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 57, 69);  
box-shadow:4px 4px 4px 4px rgb(205, 57,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3351, 0.5395, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 57, 69) }
```

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

```
.background{ background-color: rgb(205, 57,  
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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