

Converting Colors

$Y_{xy}(16.2020, 0.5651, 0.3537)$

Have a look what the booklet for
Yxy(16.2020, 0.5651, 0.3537)
contains.

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Color

Yxy(16.1850, 0.5656, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	C74227
RGB	199, 66, 39
RGB Percent	78%, 26%, 15%
CMY	0.2196, 0.7411, 0.8470
CMYK	0.00, 0.67, 0.80, 0.22
HSL	10°, 67%, 47%
HSV	10°, 80%, 78%
XYZ	25.8667, 16.1850, 3.6815
YIQ	102.6890, 87.9350, 19.7990

Conversions

Conversions Part 2

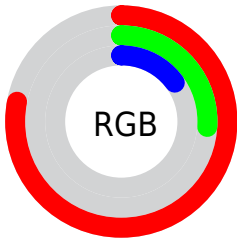
Format	Color
RYB	199, 71, 39
Decimal	13058599
CIELab	47.22, 51.54, 44.32
CIElCh	47, 67.973, 40.696
Yxy	16.1850, 0.5656, 0.3539
Android (android.graphics.Color)	4291248679 (0xFFC74227)
YUV	102.6890, -31.3987, 84.4647
Hunter-Lab	40.2306, 44.3652, 22.7357

Details

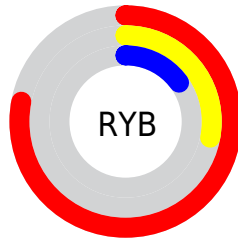
The Yxy color **16.1850, 0.5656, 0.3539** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **34.0587, 0.2173, 0.2857**, and the grayscale version is **13.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3648, 0.5064, 0.3608**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.4251, 0.6000, 0.3492**, and if you desaturate by 10%, it is **18.5749, 0.5245, 0.3556**.

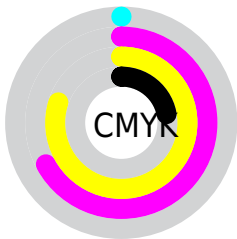
Distribution



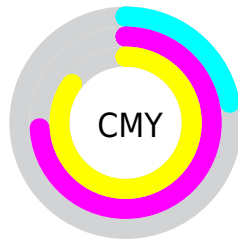
- Red (78%)
- Green (26%)
- Blue (15%)



- Red (78%)
- Yellow (28%)
- Blue (15%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (22%)





- Cyan (22%)
- Magenta (74%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1850, 0.5656, 0.3539 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 16.1850, 0.5656, 0.3539 by changing the saturation by 10% instead.


 16.1850, 0.5656,
0.3539


 16.1850, 0.5656,
0.3539


230.4309, 0.4225,
0.3548


 9.6552, 0.6028,
0.3453


 36.9191, 0.5112,
0.3596


 5.1709, 0.6564,
0.3319

 51.8921, 0.4913,
0.3599

 2.3479, 0.7051,
0.2949

 70.4483, 0.4747,
0.3595

 0.7989, 0.7683,
0.2317

 92.9721, 0.4608,
0.3588

 0.0000, 1.0000,
0.0000

 119.8478, 0.4490,
0.3578

 0.0000, 0.0000,
0.0000

 151.4600, 0.4389,

0.3568

188.1929, 0.4302,
0.3558

16.1850, 0.5656,
0.3539

16.1850, 0.5656,
0.3539

14.4251, 0.6000,
0.3492

18.5749, 0.5245,
0.3556

13.2616, 0.6237,
0.3430

21.6451, 0.4819,
0.3545

25.4441, 0.4419,
0.3515

30.0151, 0.4065,
0.3473

35.3977, 0.3764,
0.3427

■ 41.6289, 0.3512,
0.3380

■ 48.7434, 0.3304,
0.3334

■ 56.7739, 0.3133,
0.3292

■ 65.7515, 0.2992,
0.3253

Harmonies

Analogous

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



16.1850, 0.5114, 0.2787



16.1850, 0.5656, 0.3539



16.1850, 0.5284, 0.4383

Triad

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



16.1850, 0.5656, 0.3539



16.1850, 0.2157, 0.5077



16.1850, 0.1636, 0.1502

Complementary

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



16.1850, 0.5656, 0.3539



34.0587, 0.2173, 0.2857

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.



16.1850, 0.1204, 0.1640



16.1850, 0.5656, 0.3539



16.1850, 0.1400, 0.3423

Square

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



16.1850, 0.5656, 0.3539



16.1850, 0.3249, 0.5822



16.1850, 0.1117, 0.2204



16.1850, 0.2501, 0.1674

Rectangle

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



16.1850, 0.5656, 0.3539



16.1850, 0.4709, 0.5000



16.1850, 0.1117, 0.2204



16.1850, 0.1449, 0.1511

Sweetspot

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



16.1859, 0.5656, 0.3539



68.3926, 0.3606, 0.3398



16.5847, 0.3565, 0.1862



13.8037, 0.3698, 0.3415



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.



16.1859, 0.5656, 0.3539



23.6950, 0.6176, 0.3443



32.7435, 0.4656, 0.4465



10.9214, 0.3285, 0.3330



8.6166, 0.6217, 0.3445



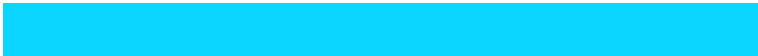
0.5005, 0.5847, 0.3739

Inverse Universe

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



34.0587, 0.2173, 0.2857



55.2214, 0.2103, 0.2755



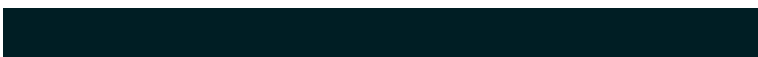
12.2687, 0.1810, 0.1480



11.7511, 0.2984, 0.3250



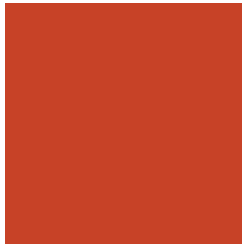
20.1639, 0.2097, 0.2748



1.0377, 0.2131, 0.2873

Previews

White Background



This preview shows how the Yxy color 16.1850, 0.5656, 0.3539 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 16.1850, 0.5656, 0.3539 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 16.1850, 0.5656, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 16.1850, 0.5656, 0.3539.



This preview shows how white text looks on a background with the Yxy color 16.1850, 0.5656, 0.3539.

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

16.1850, 0.5656, 0.3539

Protanopia

16.4182, 0.4046, 0.4434

Deuteranopia

16.3453, 0.4579, 0.4506



Tritanopia

16.2277, 0.5349, 0.3266

Trichromacy



Original Color

16.1850, 0.5656, 0.3539

Protanomaly

15.2464, 0.4694, 0.4056

Deuteranomaly

15.5398, 0.5047, 0.4089

Tritanomaly

16.2317, 0.5484, 0.3376

Monochromacy



Original Color

16.1850, 0.5656, 0.3539

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2948, 0.4078, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1850, 0.5656, 0.3539 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, 66, 39)` looks like.

```
.text, #text, p{  
    color:rgb(199, 66, 39)  
}
```

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, 66, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 66, 39) }
```

Border

The CSS property to change the border of an element to Yxy 16.1850, 0.5656, 0.3539 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, 66, 39) }
```

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

```
.border{ border-color:rgb(199, 66, 39) }
```

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

Here you see how a box with a 4 pixel rgb(199, 66, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 66, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 66, 39);  
box-shadow:4px 4px 4px 4px rgb(199, 66,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1850, 0.5656, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 66, 39) }
```

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

```
.background{ background-color: rgb(199, 66,  
39) }
```

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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