

Converting Colors

$Y_{xy}(19.3027, 0.5166, 0.3665)$

Have a look what the booklet for
Yxy(19.3027, 0.5166, 0.3665)
contains.

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Color

Yxy(19.1759, 0.5167, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	C45939
RGB	196, 89, 57
RGB Percent	77%, 35%, 22%
CMY	0.2315, 0.6509, 0.7765
CMYK	0.00, 0.55, 0.71, 0.23
HSL	14°, 55%, 50%
HSV	14°, 71%, 77%
XYZ	27.0716, 19.1759, 6.1457
YIQ	117.3450, 74.0440, 12.7320

Conversions

Conversions Part 2

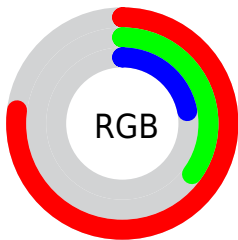
Format	Color
R _Y B	196, 99, 57
Decimal	12867897
CIE Lab	50.89, 40.64, 38.61
CIE LCh	51, 56.062, 43.532
Yxy	19.1759, 0.5167, 0.3660
Android (android.graphics.Color)	4291057977 (0xFFC45939)
YUV	117.3450, -29.7501, 68.9804
Hunter-Lab	43.7903, 33.7173, 22.3322

Details

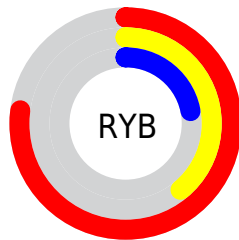
The Yxy color **19.1759, 0.5167, 0.3660** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **31.3897, 0.2200, 0.2771**, and the grayscale version is **17.9810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6259, 0.4703, 0.3662**, and **6.5815, 0.5888, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **16.7587, 0.5556, 0.3645**, and if you desaturate by 10%, it is **22.1850, 0.4767, 0.3641**.

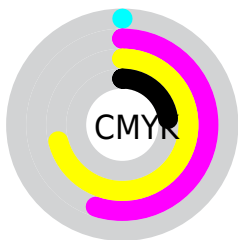
Distribution



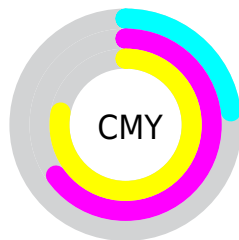
- Red (77%)
- Green (35%)
- Blue (22%)



- Red (77%)
- Yellow (39%)
- Blue (22%)



- Cyan (0%)
- Magenta (55%)
- Yellow (71%)
- Black (23%)





- Cyan (23%)
- Magenta (65%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1759, 0.5167, 0.3660 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 19.1759, 0.5167, 0.3660 by changing the saturation by 10% instead.


 19.1759, 0.5167,
0.3660


 19.1759, 0.5167,
0.3660


247.4181, 0.4018,
0.3548


 11.7974, 0.5478,
0.3638


 42.0311, 0.4725,
0.3650

 6.6059, 0.5877,
0.3569


 58.2767, 0.4566,
0.3635


 3.2169, 0.6530,
0.3470

 78.2467, 0.4434,
0.3620

 1.2460, 0.7008,
0.2992

 102.3256, 0.4323,
0.3604

 0.0988, 0.9183,
0.0817

 130.8979, 0.4229,
0.3589

 0.0000, 1.0000,
0.0000

 164.3477, 0.4149,

 0.0000, 0.0000,

0.3574

0.0000

203.0597, 0.4079,
0.3561

■ 19.1759, 0.5167,
0.3660

■ 19.1759, 0.5167,
0.3660

■ 16.7587, 0.5556,
0.3645

■ 22.1850, 0.4767,
0.3641

■ 14.8893, 0.5890,
0.3591

■ 25.8195, 0.4390,
0.3598

■ 13.6213, 0.6124,
0.3519

■ 30.1141, 0.4053,
0.3541

■ 35.0999, 0.3762,
0.3479

■ 40.8060, 0.3517,
0.3415

■ 47.2598, 0.3312,
0.3353

■ 54.4873, 0.3141,
0.3295

■ 62.5131, 0.2999,
0.3242

■ 71.3608, 0.2881,
0.3193

Harmonies

Analogous

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



19.1759, 0.4761, 0.2980



19.1759, 0.5167, 0.3660



19.1759, 0.4892, 0.4382

Triad

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



19.1759, 0.5167, 0.3660



19.1759, 0.2316, 0.4526



19.1759, 0.1952, 0.1798

Complementary

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



19.1759, 0.5167, 0.3660



31.3897, 0.2200, 0.2771

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.



19.1759, 0.1532, 0.1911



19.1759, 0.5167, 0.3660



19.1759, 0.1683, 0.3321

Square

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



19.1759, 0.5167, 0.3660



19.1759, 0.3227, 0.5227



19.1759, 0.1437, 0.2386



19.1759, 0.2728, 0.1969

Rectangle

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



19.1759, 0.5167, 0.3660



19.1759, 0.4439, 0.4842



19.1759, 0.1437, 0.2386



19.1759, 0.1774, 0.1801

Sweetspot

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



19.1770, 0.5167, 0.3660



73.4844, 0.3526, 0.3417



17.4076, 0.3606, 0.2019



15.0825, 0.3591, 0.3435



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.



19.1770, 0.5167, 0.3660



28.4125, 0.5747, 0.3621



36.0073, 0.4411, 0.4476



10.4461, 0.3283, 0.3344



8.8648, 0.6101, 0.3538



0.4916, 0.5657, 0.3890

Inverse Universe

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



31.3897, 0.2200, 0.2771



51.3275, 0.2094, 0.2640



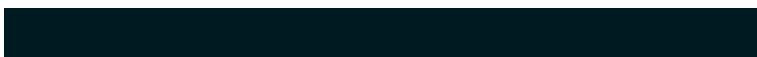
13.2896, 0.1909, 0.1599



11.0222, 0.2984, 0.3236



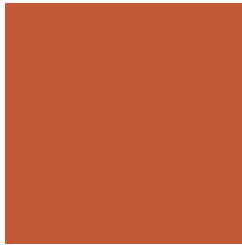
16.8848, 0.2038, 0.2537



0.8280, 0.2090, 0.2724

Previews

White Background



This preview shows how the Yxy color 19.1759, 0.5167, 0.3660 looks on a white 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

Black Background



This preview shows how the Yxy color 19.1759, 0.5167, 0.3660 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.1759, 0.5167, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 19.1759, 0.5167, 0.3660.



This preview shows how white text looks on a background with the Yxy color 19.1759, 0.5167, 0.3660.

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

19.1759, 0.5167, 0.3660

Protanopia

19.4048, 0.3918, 0.4264

Deuteranopia

19.3091, 0.4382, 0.4316



Tritanopia

19.2581, 0.4753, 0.3220

Trichromacy



Original Color

19.1759, 0.5167, 0.3660

Protanomaly

18.6901, 0.4390, 0.4021

Deuteranomaly

18.7806, 0.4688, 0.4051

Tritanomaly

19.0904, 0.4916, 0.3380

Monochromacy



Original Color

19.1759, 0.5167, 0.3660

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4526, 0.3850, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1759, 0.5167, 0.3660 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(196, 89, 57)` looks like.

```
.text, #text, p{  
    color:rgb(196, 89, 57)  
}
```

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(196, 89, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 89, 57) }
```

Border

The CSS property to change the border of an element to Yxy 19.1759, 0.5167, 0.3660 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(196, 89, 57) }
```

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

```
.border{ border-color:rgb(196, 89, 57) }
```

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

Here you see how a box with a 4 pixel rgb(196, 89, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 89, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 89, 57);  
box-shadow:4px 4px 4px 4px rgb(196, 89,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1759, 0.5167, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 89, 57) }
```

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

```
.background{ background-color: rgb(196, 89,  
57) }
```

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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