

Converting Colors

$Y_{xy}(19.0583, 0.5578, 0.3929)$

Have a look what the booklet for
Yxy(19.0583, 0.5578, 0.3929)
contains.

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Color

Yxy(18.9695, 0.5583, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	C75705
RGB	199, 87, 5
RGB Percent	78%, 34%, 2%
CMY	0.2196, 0.6588, 0.9803
CMYK	0.00, 0.56, 0.97, 0.22
HSL	25°, 95%, 40%
HSV	25°, 97%, 78%
XYZ	26.9895, 18.9695, 2.3833
YIQ	111.1400, 93.0740, -1.7580

Conversions

Conversions Part 2

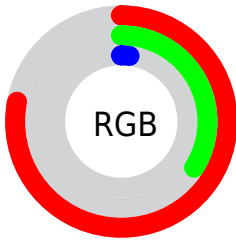
Format	Color
R_{YB}	199, 147, 5
Decimal	13063941
CIE _{Lab}	50.65, 41.35, 58.97
CIE _{LCh}	51, 72.023, 54.962
Yxy	18.9695, 0.5583, 0.3924
Android (android.graphics.Color)	4291254021 (0xFFC75705)
YUV	111.1400, -52.3270, 77.0532
Hunter-Lab	43.5540, 34.3932, 27.2434

Details

The Yxy color **18.9695, 0.5583, 0.3924** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.8849, 0.1859, 0.1875**, and the grayscale version is **16.0757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0954, 0.5070, 0.3955**, and **6.5204, 0.6025, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **18.4987, 0.5641, 0.3903**, and if you desaturate by 10%, it is **21.0405, 0.5343, 0.3994**.

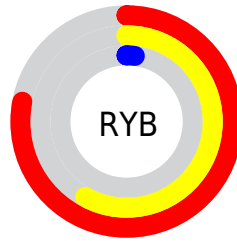
Distribution



Red (78%)

Green (34%)

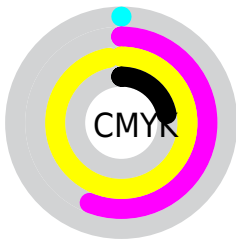
Blue (2%)



Red (78%)

Yellow (58%)

Blue (2%)

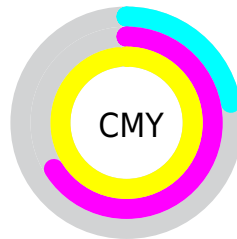


Cyan (0%)

Magenta (56%)

Yellow (97%)

Black (22%)



Cyan (22%)


Magenta (66%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9695, 0.5583, 0.3924 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 18.9695, 0.5583, 0.3924 by changing the saturation by 10% instead.


 18.9695, 0.5583,
0.3924


 18.9695, 0.5583,
0.3924


246.2803, 0.4277,
0.3765


 11.6482, 0.5876,
0.3866


 41.6826, 0.5120,
0.3931


 6.5046, 0.6249,
0.3751


 57.8431, 0.4939,
0.3912


 3.1543, 0.6563,
0.3437

 77.7190, 0.4785,
0.3888

 1.2128, 0.7051,
0.2949

 101.6944, 0.4653,
0.3862

 0.0721, 0.9385,
0.0615

 130.1539, 0.4539,
0.3836

 0.0000, 1.0000,
0.0000


 163.4817, 0.4440,


 0.0000, 0.0000,


0.3811


0.0000


 202.0624, 0.4353,
0.3787


 18.9695, 0.5583,
0.3924


 18.9695, 0.5583,
0.3924

 18.4987, 0.5641,
0.3903

 21.0405, 0.5343,
0.3994

 23.4792, 0.5058,
0.4013

 26.3114, 0.4750,
0.3981

 29.5580, 0.4441,
0.3911

 33.2374, 0.4147,
0.3816

■ 37.3672, 0.3878,
0.3706

■ 41.9635, 0.3638,
0.3591

■ 47.0416, 0.3428,
0.3477

■ 52.6160, 0.3246,
0.3368

Harmonies

Analogous

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



18.9695, 0.5507, 0.3135



18.9695, 0.5583, 0.3924



18.9695, 0.4896, 0.4825

Triad

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



18.9695, 0.5583, 0.3924



18.9695, 0.1730, 0.4310



18.9695, 0.1982, 0.1542

Complementary

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



18.9695, 0.5583, 0.3924



16.8849, 0.1859, 0.1875

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.



18.9695, 0.1356, 0.1525



18.9695, 0.5583, 0.3924



18.9695, 0.1205, 0.2747

Square

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



18.9695, 0.5583, 0.3924



18.9695, 0.2707, 0.5673



18.9695, 0.1111, 0.1863



18.9695, 0.3081, 0.1851

Rectangle

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



18.9695, 0.5583, 0.3924



18.9695, 0.4216, 0.5422



18.9695, 0.1111, 0.1863



18.9695, 0.1724, 0.1503

Sweetspot

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



18.9706, 0.5583, 0.3924



71.8364, 0.3682, 0.3614



13.5639, 0.4569, 0.2305



14.6237, 0.3785, 0.3664



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.



18.9706, 0.5583, 0.3924



31.9358, 0.5665, 0.3884



45.9535, 0.4338, 0.4925



11.3614, 0.3279, 0.3388



12.0602, 0.5617, 0.3922



0.7138, 0.5249, 0.4214

Inverse Universe

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



16.8849, 0.1859, 0.1875



28.1603, 0.1837, 0.1814



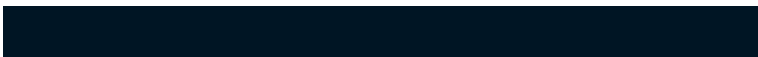
4.6996, 0.1527, 0.0674



11.2874, 0.2983, 0.3190



10.6978, 0.1849, 0.1857



0.6478, 0.1941, 0.2186

Previews

White Background



This preview shows how the Yxy color 18.9695, 0.5583, 0.3924 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 18.9695, 0.5583, 0.3924 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 18.9695, 0.5583, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 18.9695, 0.5583, 0.3924.



This preview shows how white text looks on a background with the Yxy color 18.9695, 0.5583, 0.3924.

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

18.9695, 0.5583, 0.3924

Protanopia

19.2844, 0.4338, 0.4809

Deuteranopia

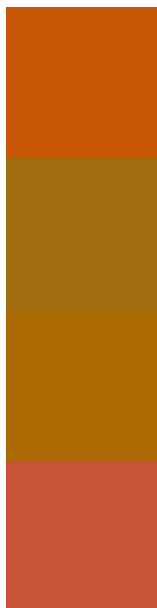
19.0338, 0.4704, 0.4647



Tritanopia

18.9743, 0.4896, 0.3236

Trichromacy



Original Color

18.9695, 0.5583, 0.3924

Protanomaly

18.4426, 0.4841, 0.4454

Deuteranomaly

18.6536, 0.5055, 0.4357

Tritanomaly

18.7613, 0.5272, 0.3577

Monochromacy



Original Color

18.9695, 0.5583, 0.3924

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8103, 0.4173, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9695, 0.5583, 0.3924 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, 87, 5)` looks like.

```
.text, #text, p{  
    color:rgb(199, 87, 5)  
}
```

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, 87, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 87, 5) }
```

Border

The CSS property to change the border of an element to Yxy 18.9695, 0.5583, 0.3924 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, 87, 5) }
```

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

```
.border{ border-color:rgb(199, 87, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 87, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 87, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 87, 5);  
box-shadow:4px 4px 4px 4px rgb(199, 87, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9695, 0.5583, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 87, 5) }
```

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

```
.background{ background-color: rgb(199, 87,  
5) }
```

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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