

Converting Colors

$Y_{xy}(19.1776, 0.5770, 0.4172)$

Have a look what the booklet for
Yxy(19.1776, 0.5770, 0.4172)
contains.

Yxy(19.3181, 0.5547, 0.3977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.3181, 0.5547, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	C65A00
RGB	198, 90, 0
RGB Percent	78%, 35%, 0%
CMY	0.2236, 0.6470, 0.9995
CMYK	0.00, 0.55, 1.00, 0.22
HSL	27°, 100%, 39%
HSV	27°, 100%, 78%
XYZ	26.9443, 19.3181, 2.3121
YIQ	112.0320, 93.2580, -5.0940

Conversions

Conversions Part 2

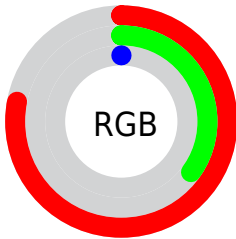
Format	Color
RYB	198, 165, 0
Decimal	12999168
CIELab	51.06, 39.42, 60.23
CIElCh	51, 71.984, 56.798
Yxy	19.3181, 0.5547, 0.3977
Android (android.graphics.Color)	4291189248 (0xFFC65A00)
YUV	112.0320, -55.2318, 75.3939
Hunter-Lab	43.9524, 32.5100, 27.6477

Details

The Yxy color **19.3181, 0.5547, 0.3977** 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 **14.8262, 0.1813, 0.1727**, and the grayscale version is **16.3632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9538, 0.5053, 0.3997**, and **6.6853, 0.5951, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **19.3072, 0.5548, 0.3977**, and if you desaturate by 10%, it is **21.3267, 0.5325, 0.4049**.

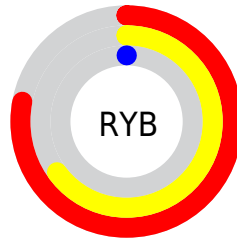
Distribution



Red (78%)

Green (35%)

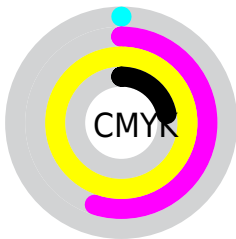
Blue (0%)



Red (78%)

Yellow (65%)

Blue (0%)

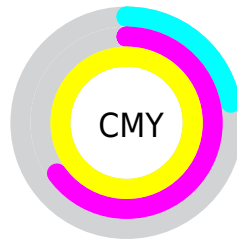


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3181, 0.5547, 0.3977 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 19.3181, 0.5547, 0.3977 by changing the saturation by 10% instead.


 19.3181, 0.5547,
0.3977


 19.3181, 0.5547,
0.3977


248.1993, 0.4269,
0.3790


 11.9004, 0.5830,
0.3927


 42.2709, 0.5097,
0.3974

 6.6759, 0.6182,
0.3818


 58.5748, 0.4920,
0.3951

 3.2602, 0.6481,
0.3519

 78.6095, 0.4770,
0.3924

 1.2691, 0.6948,
0.3052

 102.7594, 0.4640,
0.3896

 0.1171, 0.9035,
0.0965

 131.4090, 0.4528,
0.3867

 0.0000, 1.0000,
0.0000


 164.9425, 0.4430,


 0.0000, 0.0000,

0.3840

0.0000


 203.7445, 0.4345,
0.3814


 19.3181, 0.5547,
0.3977

 19.3181, 0.5547,
0.3977

 19.3072, 0.5548,
0.3977

 21.3267, 0.5325,
0.4049

 23.6610, 0.5065,
0.4074

 26.3500, 0.4777,
0.4047

 29.4126, 0.4481,
0.3978

 32.8657, 0.4194,
0.3880

■ 36.7250, 0.3928,
0.3765

■ 41.0051, 0.3687,
0.3643

■ 45.7198, 0.3474,
0.3520

■ 50.8822, 0.3288,
0.3402

Harmonies

Analogous

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



19.3181, 0.5526, 0.3184



19.3181, 0.5547, 0.3977



19.3181, 0.4833, 0.4879

Triad

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



19.3181, 0.5547, 0.3977



19.3181, 0.1692, 0.4198



19.3181, 0.2041, 0.1561

Complementary

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



19.3181, 0.5547, 0.3977



14.8262, 0.1813, 0.1727

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.



19.3181, 0.1390, 0.1526



19.3181, 0.5547, 0.3977



19.3181, 0.1197, 0.2678

Square

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



19.3181, 0.5547, 0.3977



19.3181, 0.2644, 0.5608



19.3181, 0.1125, 0.1837



19.3181, 0.3163, 0.1886

Rectangle

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



19.3181, 0.5547, 0.3977



19.3181, 0.4148, 0.5460



19.3181, 0.1125, 0.1837



19.3181, 0.1775, 0.1516

Sweetspot

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



19.3192, 0.5547, 0.3977



72.2093, 0.3699, 0.3650



13.1108, 0.4756, 0.2394



14.7452, 0.3799, 0.3702



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.



19.3192, 0.5547, 0.3977



33.7131, 0.5572, 0.3958



48.0145, 0.4283, 0.4981



11.4173, 0.3278, 0.3395



12.7233, 0.5526, 0.3994



0.7467, 0.5179, 0.4270

Inverse Universe

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



14.8262, 0.1813, 0.1727



25.7326, 0.1806, 0.1702



4.2953, 0.1508, 0.0629



11.2306, 0.2983, 0.3182



9.8070, 0.1819, 0.1748



0.6078, 0.1916, 0.2099

Previews

White Background



This preview shows how the Yxy color 19.3181, 0.5547, 0.3977 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 19.3181, 0.5547, 0.3977 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 19.3181, 0.5547, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 19.3181, 0.5547, 0.3977.



This preview shows how white text looks on a background with the Yxy color 19.3181, 0.5547, 0.3977.

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

19.3181, 0.5547, 0.3977

Protanopia

19.6129, 0.4341, 0.4817

Deuteranopia

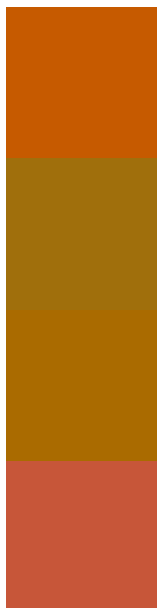
19.3608, 0.4700, 0.4650



Tritanopia

19.3413, 0.4815, 0.3234

Trichromacy



Original Color

19.3181, 0.5547, 0.3977

Protanomaly

18.8690, 0.4816, 0.4488

Deuteranomaly

19.0614, 0.5028, 0.4389

Tritanomaly

19.0931, 0.5230, 0.3615

Monochromacy



Original Color

19.3181, 0.5547, 0.3977

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1952, 0.4168, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3181, 0.5547, 0.3977 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(198, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 90, 0)  
}
```

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(198, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.3181, 0.5547, 0.3977 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(198, 90, 0) }
```

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

```
.border{ border-color:rgb(198, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.3181, 0.5547, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 90, 0) }
```

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

```
.background{ background-color: rgb(198, 90,  
0) }
```

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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