

Converting Colors

$Y_{xy}(18.5939, 0.5630, 0.3877)$

Have a look what the booklet for
Yxy(18.5939, 0.5630, 0.3877)
contains.

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Color

Yxy(18.6353, 0.5627, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	C85407
RGB	200, 84, 7
RGB Percent	78%, 33%, 3%
CMY	0.2156, 0.6706, 0.9725
CMYK	0.00, 0.58, 0.96, 0.22
HSL	24°, 93%, 41%
HSV	24°, 96%, 78%
XYZ	27.0330, 18.6353, 2.3733
YIQ	109.9060, 93.8530, 0.6450

Conversions

Conversions Part 2

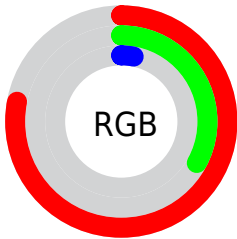
Format	Color
R_{YB}	200, 135, 7
Decimal	13128711
CIE _{Lab}	50.26, 43.22, 58.37
CIE _{LCh}	50, 72.632, 53.480
Yxy	18.6353, 0.5627, 0.3879
Android (android.graphics.Color)	4291318791 (0xFFC85407)
YUV	109.9060, -50.7327, 79.0124
Hunter-Lab	43.1686, 36.2348, 26.9585

Details

The Yxy color **18.6353, 0.5627, 0.3879** 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 **18.3935, 0.1887, 0.1972**, and the grayscale version is **15.6921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5330, 0.5083, 0.3929**, and **6.3832, 0.6092, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **17.9868, 0.5709, 0.3849**, and if you desaturate by 10%, it is **20.7294, 0.5374, 0.3949**.

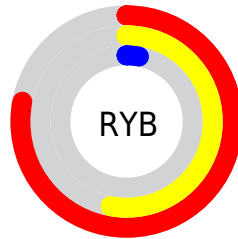
Distribution



Red (78%)

Green (33%)

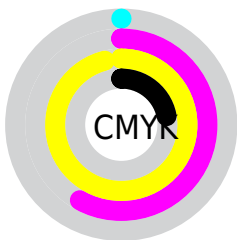
Blue (3%)



Red (78%)

Yellow (53%)

Blue (3%)

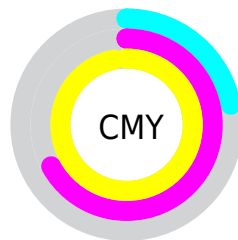


Cyan (0%)

Magenta (58%)

Yellow (96%)

Black (22%)



Cyan (22%)


Magenta (67%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6353, 0.5627, 0.3879 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 18.6353, 0.5627, 0.3879 by changing the saturation by 10% instead.


 18.6353, 0.5627,
0.3879


 18.6353, 0.5627,
0.3879


244.4279, 0.4292,
0.3747


 11.4071, 0.5929,
0.3813


 41.1169, 0.5152,
0.3897


 6.3413, 0.6313,
0.3687


 57.1391, 0.4967,
0.3882


 3.0537, 0.6641,
0.3359

 76.8614, 0.4809,
0.3861

 1.1598, 0.7150,
0.2850

 100.6681, 0.4675,
0.3837

 0.0285, 0.9748,
0.0252

 128.9438, 0.4559,
0.3814

 0.0000, 1.0000,
0.0000


 162.0727, 0.4458,


 0.0000, 0.0000,


0.3790


0.0000

 200.4393, 0.4370,
0.3768


 18.6353, 0.5627,
0.3879


 18.6353, 0.5627,
0.3879

 17.9868, 0.5709,
0.3849

 20.7294, 0.5374,
0.3949

 23.2206, 0.5075,
0.3967

 26.1355, 0.4754,
0.3937

 29.4968, 0.4435,
0.3869

 33.3246, 0.4134,
0.3777

■ 37.6380, 0.3861,
0.3673

■ 42.4546, 0.3621,
0.3564

■ 47.7912, 0.3411,
0.3457

■ 53.6636, 0.3230,
0.3354

Harmonies

Analogous

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



18.6353, 0.5509, 0.3090



18.6353, 0.5627, 0.3879



18.6353, 0.4954, 0.4786

Triad

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



18.6353, 0.5627, 0.3879



18.6353, 0.1750, 0.4412



18.6353, 0.1927, 0.1517

Complementary

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



18.6353, 0.5627, 0.3879



18.3935, 0.1887, 0.1972

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.



18.6353, 0.1319, 0.1515



18.6353, 0.5627, 0.3879



18.6353, 0.1199, 0.2800

Square

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



18.6353, 0.5627, 0.3879



18.6353, 0.2751, 0.5746



18.6353, 0.1089, 0.1874



18.6353, 0.3013, 0.1814

Rectangle

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



18.6353, 0.5627, 0.3879



18.6353, 0.4273, 0.5400



18.6353, 0.1089, 0.1874



18.6353, 0.1675, 0.1483

Sweetspot

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



18.6364, 0.5627, 0.3879



70.9598, 0.3688, 0.3596



13.9420, 0.4420, 0.2227



14.4170, 0.3792, 0.3643



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.



18.6364, 0.5627, 0.3879



30.7036, 0.5733, 0.3830



43.9422, 0.4399, 0.4871



11.3195, 0.3280, 0.3383



11.5983, 0.5684, 0.3869



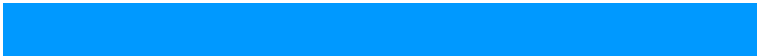
0.6902, 0.5303, 0.4172

Inverse Universe

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



18.3935, 0.1887, 0.1972



30.1012, 0.1861, 0.1900



5.1211, 0.1541, 0.0720



11.3302, 0.2984, 0.3196



11.4080, 0.1873, 0.1941



0.6790, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 18.6353, 0.5627, 0.3879 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 18.6353, 0.5627, 0.3879 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 18.6353, 0.5627, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 18.6353, 0.5627, 0.3879.



This preview shows how white text looks on a background with the Yxy color 18.6353, 0.5627, 0.3879.

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

18.6353, 0.5627, 0.3879

Protanopia

18.8798, 0.4316, 0.4804

Deuteranopia

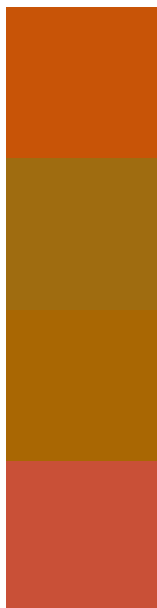
18.7100, 0.4708, 0.4644



Tritanopia

18.6299, 0.4978, 0.3238

Trichromacy



Original Color

18.6353, 0.5627, 0.3879

Protanomaly

18.1335, 0.4837, 0.4440

Deuteranomaly

18.1421, 0.5074, 0.4336

Tritanomaly

18.4307, 0.5338, 0.3559

Monochromacy



Original Color

18.6353, 0.5627, 0.3879

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6280, 0.4168, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6353, 0.5627, 0.3879 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(200, 84, 7)` looks like.

```
.text, #text, p{  
    color:rgb(200, 84, 7)  
}
```

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(200, 84, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 84, 7) }
```

Border

The CSS property to change the border of an element to Yxy 18.6353, 0.5627, 0.3879 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(200, 84, 7) }
```

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

```
.border{ border-color:rgb(200, 84, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 84, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 84, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 84, 7);  
box-shadow:4px 4px 4px 4px rgb(200, 84, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.6353, 0.5627, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 84, 7) }
```

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

```
.background{ background-color: rgb(200, 84,  
7) }
```

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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