

Converting Colors

Yxy(53.8120, 0.4841, 0.4528)

Have a look what the booklet for
Yxy(53.8120, 0.4841, 0.4528)
contains.

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Color

Yxy(53.9135, 0.4839, 0.4530)

Conversions

Conversions Part 1

Format	Color
Hex	FFB405
RGB	255, 180, 5
RGB Percent	100%, 71%, 2%
CMY	0.0000, 0.2941, 0.9810
CMYK	0.00, 0.29, 0.98, 0.00
HSL	42°, 100%, 51%
HSV	42°, 98%, 100%
XYZ	57.5910, 53.9135, 7.5098
YIQ	182.4750, 100.8750, -38.5250

Conversions

Conversions Part 2

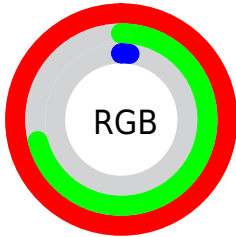
Format	Color
RYB	112, 255, 5
Decimal	16757765
CIELab	78.41, 16.15, 80.76
CIELCh	78, 82.358, 78.688
Yxy	53.9135, 0.4839, 0.4530
Android (android.graphics.Color)	4294947845 (0xFFFFB405)
YUV	182.4750, -87.4952, 63.6044
Hunter-Lab	73.4258, 11.5101, 45.3340

Details

The Yxy color **53.9135, 0.4839, 0.4530** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **12.9669, 0.1614, 0.0998**, and the grayscale version is **47.4891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8910, 0.4160, 0.4677**, and **26.6448, 0.4935, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **53.3191, 0.4859, 0.4524**, and if you desaturate by 10%, it is **57.1718, 0.4724, 0.4548**.

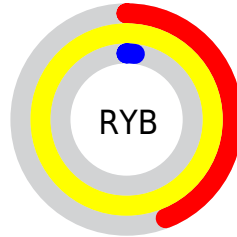
Distribution



Red (100%)

Green (71%)

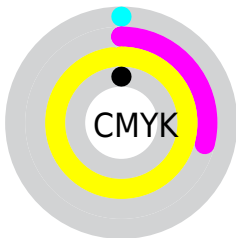
Blue (2%)



Red (44%)

Yellow (100%)

Blue (2%)

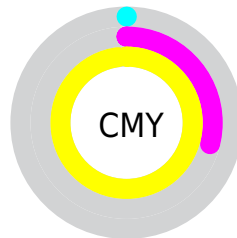


Cyan (0%)

Magenta (29%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9135, 0.4839, 0.4530 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 53.9135, 0.4839, 0.4530 by changing the saturation by 10% instead.


 53.9135, 0.4839,
0.4530


 53.9135, 0.4839,
0.4530


401.7801, 0.4101,
0.4062

 38.5325, 0.4970,
0.4590


 95.9472, 0.4610,
0.4403

 26.3962, 0.5107,
0.4636


 123.3688, 0.4512,
0.4342


 17.1203, 0.5269,
0.4679


 155.5726, 0.4424,
0.4286


 10.3203, 0.5372,
0.4628

 192.9431, 0.4345,
0.4233

 5.6118, 0.5479,
0.4521

 235.8647, 0.4274,
0.4185

 2.6105, 0.5645,
0.4355

 284.7218, 0.4211,

 0.9320, 0.5933,

0.4141

0.4067

339.8988, 0.4153,
0.4100

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.9135, 0.4839,
0.4530

■ 53.9135, 0.4839,
0.4530

■ 53.3191, 0.4859,
0.4524

■ 57.1718, 0.4724,
0.4548

■ 60.7058, 0.4577,
0.4516

■ 64.5422, 0.4402,
0.4434

■ 68.7004, 0.4209,
0.4311

73.1973, 0.4006,
0.4156

78.0479, 0.3804,
0.3982

83.2661, 0.3608,
0.3797

88.8644, 0.3424,
0.3612

94.8549, 0.3254,
0.3431

Harmonies

Analogous

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



53.9135, 0.5237, 0.3782



53.9135, 0.4839, 0.4530



53.9135, 0.4025, 0.5179

Triad

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



53.9135, 0.4839, 0.4530



53.9135, 0.1563, 0.3114



53.9135, 0.2884, 0.1985

Complementary

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



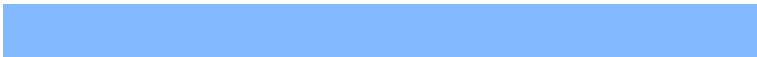
53.9135, 0.4839, 0.4530



12.9669, 0.1614, 0.0998

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.



53.9135, 0.2023, 0.1763



53.9135, 0.4839, 0.4530



53.9135, 0.1380, 0.2232

Square

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



53.9135, 0.4839, 0.4530



53.9135, 0.2142, 0.4376



53.9135, 0.1534, 0.1822



53.9135, 0.4008, 0.2450

Rectangle

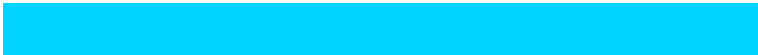
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.9135, 0.4839, 0.4530



53.9135, 0.3379, 0.5334



53.9135, 0.1534, 0.1822



53.9135, 0.2557, 0.1882

Sweetspot

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



53.9143, 0.4839, 0.4530



82.7792, 0.3625, 0.3814



21.9430, 0.5757, 0.2956



17.2350, 0.3708, 0.3893



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.



53.9143, 0.4839, 0.4530



53.3191, 0.4859, 0.4524



84.5056, 0.3841, 0.5325



20.1171, 0.3277, 0.3456



28.1343, 0.4845, 0.4535



2.9308, 0.4753, 0.4608

Inverse Universe

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



12.9669, 0.1614, 0.0998



12.4515, 0.1602, 0.0965



8.1343, 0.1600, 0.0662



18.2654, 0.2979, 0.3119



6.7325, 0.1609, 0.0993



0.8369, 0.1670, 0.1212

Previews

White Background



This preview shows how the Yxy color 53.9135, 0.4839, 0.4530 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 53.9135, 0.4839, 0.4530 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 ✓ Pass

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

Yxy 53.9135, 0.4839, 0.4530

Background



This preview shows how black text looks on a background with the Yxy color 53.9135, 0.4839, 0.4530.



This preview shows how white text looks on a background with the Yxy color 53.9135, 0.4839, 0.4530.

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

53.9135, 0.4839, 0.4530

Protanopia

54.1277, 0.4386, 0.4863

Deuteranopia

53.8738, 0.4733, 0.4624



Tritanopia

53.7632, 0.3796, 0.3176

Trichromacy



Original Color

53.9135, 0.4839, 0.4530

Protanomaly

54.0093, 0.4548, 0.4745

Deuteranomaly

54.0111, 0.4765, 0.4595

Tritanomaly

52.8401, 0.4364, 0.3866

Monochromacy



Original Color

53.9135, 0.4839, 0.4530

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.9111, 0.3907, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9135, 0.4839, 0.4530 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(255, 180, 5)` looks like.

```
.text, #text, p{  
  color:rgb(255, 180, 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(255, 180, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 5) }
```

Border

The CSS property to change the border of an element to Yxy 53.9135, 0.4839, 0.4530 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(255, 180, 5) }
```

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

```
.border{ border-color:rgb(255, 180, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9135, 0.4839, 0.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 5) }
```

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

```
.background{ background-color: rgb(255,  
180, 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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