

Converting Colors

Yxy(53.8600, 0.4709, 0.4359)

Have a look what the booklet for
Yxy(53.8600, 0.4709, 0.4359)
contains.

Yxy(53.8160, 0.4711, 0.4360)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.8160, 0.4711, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	FFB33B
RGB	255, 179, 59
RGB Percent	100%, 70%, 23%
CMY	0.0000, 0.2980, 0.7684
CMYK	0.00, 0.30, 0.77, 0.00
HSL	37°, 100%, 62%
HSV	37°, 77%, 100%
XYZ	58.1484, 53.8160, 11.4668
YIQ	188.0440, 83.8160, -21.2080

Conversions

Conversions Part 2

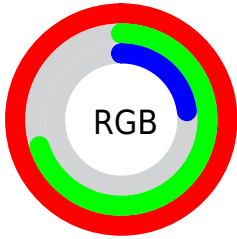
Format	Color
RYB	183, 255, 59
Decimal	16757563
CIELab	78.35, 17.76, 68.23
CIELCh	78, 70.506, 75.410
Yxy	53.8160, 0.4711, 0.4360
Android (android.graphics.Color)	4294947643 (0xFFFFB33B)
YUV	188.0440, -63.6187, 58.7204
Hunter-Lab	73.3594, 13.1094, 42.0840

Details

The Yxy color **53.8160, 0.4711, 0.4360** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.4879, 0.1876, 0.1677**, and the grayscale version is **50.6530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8916, 0.4027, 0.4458**, and **26.2592, 0.4973, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **49.7925, 0.4903, 0.4380**, and if you desaturate by 10%, it is **58.2583, 0.4494, 0.4289**.

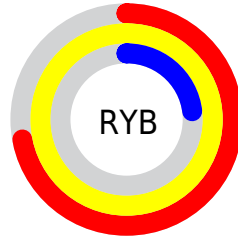
Distribution



Red (100%)

Green (70%)

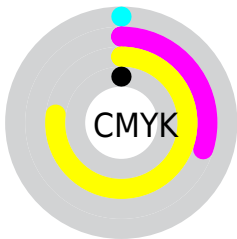
Blue (23%)



Red (72%)

Yellow (100%)

Blue (23%)

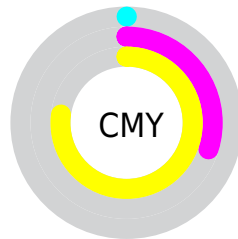


Cyan (0%)

Magenta (30%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8160, 0.4711, 0.4360 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 53.8160, 0.4711, 0.4360 by changing the saturation by 10% instead.


 53.8160, 0.4711,
0.4360


 53.8160, 0.4711,
0.4360


401.4080, 0.3994,
0.3932

 38.4546, 0.4853,
0.4426


 95.8040, 0.4476,
0.4235

 26.3357, 0.5013,
0.4487

 123.1994, 0.4380,
0.4179

 17.0749, 0.5188,
0.4531


 155.3749, 0.4295,
0.4127

 10.2879, 0.5420,
0.4580

 192.7149, 0.4220,
0.4081

 5.5903, 0.5537,
0.4463

 235.6039, 0.4154,
0.4038

 2.5976, 0.5718,
0.4282

284.4261, 0.4095,

 0.9255, 0.6030,

0.4000

0.3970

339.5660, 0.4042,
0.3964

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.8160, 0.4711,
0.4360

53.8160, 0.4711,
0.4360

49.7925, 0.4903,
0.4380

58.2583, 0.4494,
0.4289

46.1527, 0.5059,
0.4347

63.1335, 0.4263,
0.4178

45.0726, 0.5104,
0.4329

68.4641, 0.4032,
0.4038

74.2680, 0.3808,
0.3880

80.5615, 0.3599,
0.3716

87.3602, 0.3408,
0.3552

94.6786, 0.3235,
0.3394

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



53.8160, 0.4966, 0.3702



53.8160, 0.4711, 0.4360



53.8160, 0.4045, 0.4902

Triad

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



53.8160, 0.4711, 0.4360



53.8160, 0.1795, 0.3269



53.8160, 0.2829, 0.2099

Complementary

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



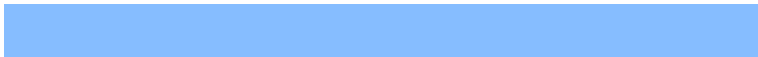
53.8160, 0.4711, 0.4360



25.4879, 0.1876, 0.1677

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.



53.8160, 0.2096, 0.1926



53.8160, 0.4711, 0.4360



53.8160, 0.1577, 0.2448

Square

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



53.8160, 0.4711, 0.4360



53.8160, 0.2364, 0.4315



53.8160, 0.1681, 0.2022



53.8160, 0.3785, 0.2500

Rectangle

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



53.8160, 0.4711, 0.4360



53.8160, 0.3483, 0.5034



53.8160, 0.1681, 0.2022



53.8160, 0.2551, 0.2014

Sweetspot

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



53.8187, 0.4711, 0.4360



83.1193, 0.3523, 0.3653



26.2100, 0.4737, 0.2622



17.2769, 0.3595, 0.3712



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.



53.8187, 0.4711, 0.4360



47.8724, 0.4988, 0.4369



89.5609, 0.3981, 0.5026



19.8385, 0.3279, 0.3435



23.8517, 0.5085, 0.4344



2.5346, 0.4956, 0.4447

Inverse Universe

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



25.4879, 0.1876, 0.1677



18.8235, 0.1721, 0.1346



11.9997, 0.1748, 0.0919



18.5328, 0.2979, 0.3140



8.6920, 0.1673, 0.1223



1.0507, 0.1735, 0.1447

Previews

White Background



This preview shows how the Yxy color 53.8160, 0.4711, 0.4360 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 53.8160, 0.4711, 0.4360 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 53.8160, 0.4711, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 53.8160, 0.4711, 0.4360.



This preview shows how white text looks on a background with the Yxy color 53.8160, 0.4711, 0.4360.

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

53.8160, 0.4711, 0.4360

Protanopia

54.1408, 0.4236, 0.4678

Deuteranopia

53.8095, 0.4586, 0.4471



Tritanopia

53.7632, 0.3796, 0.3176

Trichromacy



Original Color

53.8160, 0.4711, 0.4360

Protanomaly

53.7319, 0.4411, 0.4556

Deuteranomaly

53.7178, 0.4632, 0.4427

Tritanomaly

53.3382, 0.4200, 0.3679

Monochromacy



Original Color

53.8160, 0.4711, 0.4360

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.6181, 0.3727, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8160, 0.4711, 0.4360 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, 179, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 59)  
}
```

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, 179, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 59) }
```

Border

The CSS property to change the border of an element to Yxy 53.8160, 0.4711, 0.4360 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, 179, 59) }
```

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

```
.border{ border-color:rgb(255, 179, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8160, 0.4711, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 59) }
```

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

```
.background{ background-color: rgb(255,  
179, 59) }
```

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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