

Converting Colors

$Y_{xy}(53.5098, 0.4794, 0.4450)$

Have a look what the booklet for
Yxy(53.5098, 0.4794, 0.4450)
contains.

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Color

Yxy(53.6401, 0.4789, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	FFB326
RGB	255, 179, 38
RGB Percent	100%, 70%, 15%
CMY	0.0001, 0.2979, 0.8510
CMYK	0.00, 0.30, 0.85, 0.00
HSL	39°, 100%, 57%
HSV	39°, 85%, 100%
XYZ	57.7005, 53.6401, 9.1448
YIQ	185.6500, 90.5570, -27.7390

Conversions

Conversions Part 2

Format	Color
RYB	155, 255, 38
Decimal	16757542
CIELab	78.25, 17.11, 74.92
CIElCh	78, 76.846, 77.134
Yxy	53.6401, 0.4789, 0.4452
Android (android.graphics.Color)	4294947622 (0xFFFFB326)
YUV	185.6500, -72.7914, 60.8200
Hunter-Lab	73.2394, 12.4593, 43.8645

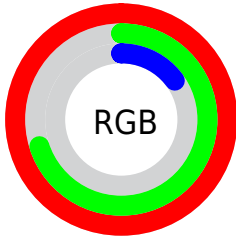
Details

The Yxy color **53.6401, 0.4789, 0.4452** is a light color, and the websafe version is hex **FFCC33**.

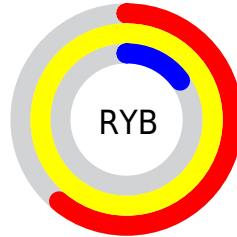
The color can be described as light washed orange. A complement of this color would be **19.6491, 0.1756, 0.1388**, and the grayscale version is **49.2745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5585, 0.4106, 0.4578**, and **26.2592, 0.4973, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **50.0679, 0.4935, 0.4437**, and if you desaturate by 10%, it is **57.5616, 0.4610, 0.4415**.

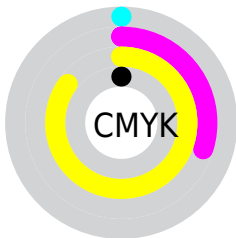
Distribution



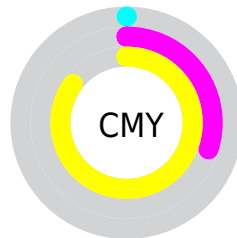
- Red (100%)
- Green (70%)
- Blue (15%)



- Red (61%)
- Yellow (100%)
- Blue (15%)



- Cyan (0%)
- Magenta (30%)
- Yellow (85%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6401, 0.4789, 0.4452 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 53.6401, 0.4789, 0.4452 by changing the saturation by 10% instead.

 53.6401, 0.4789,
0.4452


 53.6401, 0.4789,
0.4452


400.7361, 0.4054,
0.4001

 38.3140, 0.4927,
0.4515


 95.5456, 0.4554,
0.4325


 26.2265, 0.5077,
0.4568


 122.8938, 0.4456,
0.4266


 16.9932, 0.5239,
0.4604


 155.0182, 0.4369,
0.4212

 10.2296, 0.5402,
0.4598

 192.3031, 0.4292,
0.4162

 5.5515, 0.5515,
0.4485

 235.1329, 0.4222,
0.4116

 2.5743, 0.5691,
0.4309

 283.8921, 0.4160,

 0.9138, 0.5996,

0.4075

338.9651, 0.4105,
0.4036

0.4004

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.6401, 0.4789,
0.4452

53.6401, 0.4789,
0.4452

50.0679, 0.4935,
0.4437

57.5616, 0.4610,
0.4415

48.4264, 0.4997,
0.4415

61.8484, 0.4407,
0.4329

66.5232, 0.4191,
0.4204

71.6040, 0.3972,
0.4052

77.1068, 0.3759,
0.3884

83.0464, 0.3559,
0.3711

89.4368, 0.3374,
0.3538

96.2910, 0.3206,
0.3372

99.9934, 0.3127,
0.3290

Harmonies

Analogous

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



53.6401, 0.5118, 0.3745



53.6401, 0.4789, 0.4452



53.6401, 0.4043, 0.5052

Triad

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



53.6401, 0.4789, 0.4452



53.6401, 0.1668, 0.3192



53.6401, 0.2854, 0.2034

Complementary

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



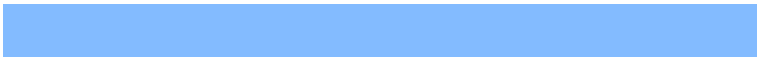
53.6401, 0.4789, 0.4452



19.6491, 0.1756, 0.1388

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.



53.6401, 0.2052, 0.1835



53.6401, 0.4789, 0.4452



53.6401, 0.1466, 0.2332

Square

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



53.6401, 0.4789, 0.4452



53.6401, 0.2246, 0.4356



53.6401, 0.1597, 0.1912



53.6401, 0.3900, 0.2469

Rectangle

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



53.6401, 0.4789, 0.4452



53.6401, 0.3434, 0.5198



53.6401, 0.1597, 0.1912



53.6401, 0.2549, 0.1939

Sweetspot

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



53.6428, 0.4789, 0.4452



82.5188, 0.3576, 0.3726



23.9363, 0.5113, 0.2710



17.2141, 0.3645, 0.3787



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.



53.6428, 0.4789, 0.4452



48.4412, 0.4997, 0.4415



87.8121, 0.3957, 0.5150



19.9578, 0.3278, 0.3444



25.6024, 0.4980, 0.4428



2.6979, 0.4867, 0.4518

Inverse Universe

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



19.6491, 0.1756, 0.1388



14.4066, 0.1636, 0.1089



9.7939, 0.1668, 0.0776



18.4176, 0.2979, 0.3131



7.7796, 0.1644, 0.1119



0.9532, 0.1706, 0.1343

Previews

White Background



This preview shows how the Yxy color 53.6401, 0.4789, 0.4452 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 53.6401, 0.4789, 0.4452 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 53.6401, 0.4789, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 53.6401, 0.4789, 0.4452.



This preview shows how white text looks on a background with the Yxy color 53.6401, 0.4789, 0.4452.

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

53.6401, 0.4789, 0.4452

Protanopia

53.6562, 0.4331, 0.4779

Deuteranopia

53.8148, 0.4670, 0.4561



Tritanopia

53.7220, 0.3805, 0.3187

Trichromacy



Original Color

53.6401, 0.4789, 0.4452

Protanomaly

53.5442, 0.4490, 0.4664

Deuteranomaly

53.7230, 0.4719, 0.4518

Tritanomaly

53.1171, 0.4270, 0.3759

Monochromacy



Original Color

53.6401, 0.4789, 0.4452

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3818, 0.3801, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6401, 0.4789, 0.4452 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 38) }
```

Border

The CSS property to change the border of an element to Yxy 53.6401, 0.4789, 0.4452 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, 38) }
```

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

```
.border{ border-color:rgb(255, 179, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6401, 0.4789, 0.4452 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, 38) }
```

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

```
.background{ background-color: rgb(255,  
179, 38) }
```

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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