

Converting Colors

$Y_{xy}(52.8277, 0.4695, 0.4398)$

Have a look what the booklet for
Yxy(52.8277, 0.4695, 0.4398)
contains.

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Color

Yxy(53.0253, 0.4697, 0.4401)

Conversions

Conversions Part 1

Format	Color
Hex	FBB337
RGB	251, 179, 55
RGB Percent	98%, 70%, 22%
CMY	0.0157, 0.2980, 0.7843
CMYK	0.00, 0.29, 0.78, 0.02
HSL	38°, 96%, 60%
HSV	38°, 78%, 98%
XYZ	56.5916, 53.0253, 10.8677
YIQ	186.3920, 82.7160, -23.3000

Conversions

Conversions Part 2

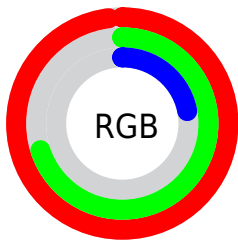
Format	Color
RYB	169, 251, 55
Decimal	16495415
CIELab	77.89, 15.94, 69.11
CIElCh	78, 70.920, 77.012
Yxy	53.0253, 0.4697, 0.4401
Android (android.graphics.Color)	4294685495 (0xFFFBB337)
YUV	186.3920, -64.7763, 56.6612
Hunter-Lab	72.8185, 11.2908, 42.1243

Details

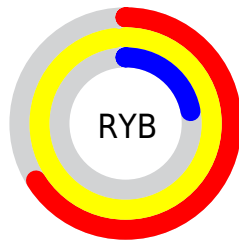
The Yxy color **53.0253, 0.4697, 0.4401** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **22.9546, 0.1848, 0.1596**, and the grayscale version is **49.6725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8244, 0.4043, 0.4481**, and **25.7405, 0.4934, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **49.2723, 0.4875, 0.4419**, and if you desaturate by 10%, it is **57.1529, 0.4492, 0.4332**.

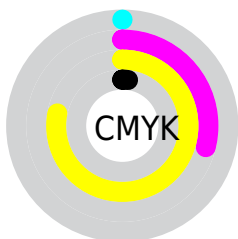
Distribution



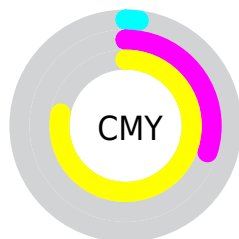
- Red (98%)
- Green (70%)
- Blue (22%)



- Red (66%)
- Yellow (98%)
- Blue (22%)



- Cyan (0%)
- Magenta (29%)
- Yellow (78%)
- Black (2%)





- Cyan (2%)
- Magenta (30%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0253, 0.4697, 0.4401 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 53.0253, 0.4697, 0.4401 by changing the saturation by 10% instead.


 53.0253, 0.4697,
0.4401


 53.0253, 0.4697,
0.4401


398.3822, 0.3988,
0.3953


 37.8230, 0.4836,
0.4471


 94.6416, 0.4466,
0.4269


 25.8453, 0.4991,
0.4536


 121.8243, 0.4371,
0.4210


 16.7080, 0.5158,
0.4584


 153.7694, 0.4287,
0.4156

 10.0265, 0.5370,
0.4630

 190.8610, 0.4213,
0.4108

 5.4165, 0.5478,
0.4522

 233.4838, 0.4147,
0.4063

 2.4937, 0.5646,
0.4354

282.0219, 0.4088,

 0.8735, 0.5941,

0.4023

336.8599, 0.4036,
0.3986

0.4059

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.0253, 0.4697,
0.4401

53.0253, 0.4697,
0.4401

49.2723, 0.4875,
0.4419

57.1529, 0.4492,
0.4332

45.8589, 0.5019,
0.4386

61.6682, 0.4271,
0.4221

45.2367, 0.5045,
0.4376

66.5920, 0.4047,
0.4079


71.9411, 0.3827,
0.3919

 77.7306, 0.3620,
0.3750

 83.9747, 0.3428,
0.3581

 90.6867, 0.3255,
0.3417

 97.8272, 0.3103,
0.3269

 99.2478, 0.3102,
0.3290

Harmonies

Analogous

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



53.0253, 0.4985, 0.3738



53.0253, 0.4697, 0.4401



53.0253, 0.4008, 0.4938

Triad

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



53.0253, 0.4697, 0.4401



53.0253, 0.1762, 0.3214



53.0253, 0.2873, 0.2105

Complementary

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



53.0253, 0.4697, 0.4401



22.9546, 0.1848, 0.1596

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.



53.0253, 0.2118, 0.1918



53.0253, 0.4697, 0.4401



53.0253, 0.1561, 0.2406

Square

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



53.0253, 0.4697, 0.4401



53.0253, 0.2316, 0.4274



53.0253, 0.1683, 0.1998



53.0253, 0.3843, 0.2520

Rectangle

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



53.0253, 0.4697, 0.4401



53.0253, 0.3437, 0.5052



53.0253, 0.1683, 0.1998



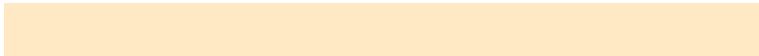
53.0253, 0.2588, 0.2015

Sweetspot

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



53.0280, 0.4697, 0.4401



83.7991, 0.3521, 0.3665



24.8568, 0.4826, 0.2655



17.4420, 0.3591, 0.3726



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.



53.0280, 0.4697, 0.4401



48.9179, 0.4965, 0.4405



85.7803, 0.3963, 0.5057



19.0561, 0.3278, 0.3440



24.0675, 0.5027, 0.4391



2.4313, 0.4901, 0.4491

Inverse Universe

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



22.9546, 0.1848, 0.1596



17.0925, 0.1690, 0.1248



11.3127, 0.1746, 0.0901



17.6870, 0.2979, 0.3136



7.9554, 0.1658, 0.1167



0.9314, 0.1723, 0.1403

Previews

White Background



This preview shows how the Yxy color 53.0253, 0.4697, 0.4401 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 53.0253, 0.4697, 0.4401 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 53.0253, 0.4697, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 53.0253, 0.4697, 0.4401.



This preview shows how white text looks on a background with the Yxy color 53.0253, 0.4697, 0.4401.

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

53.0253, 0.4697, 0.4401

Protanopia

53.0546, 0.4261, 0.4692

Deuteranopia

53.0013, 0.4595, 0.4494



Tritanopia

52.9721, 0.3811, 0.3166

Trichromacy



Original Color

53.0253, 0.4697, 0.4401

Protanomaly

52.9299, 0.4420, 0.4582

Deuteranomaly

53.1347, 0.4625, 0.4464

Tritanomaly

52.7072, 0.4214, 0.3690

Monochromacy



Original Color

53.0253, 0.4697, 0.4401

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4036, 0.3742, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0253, 0.4697, 0.4401 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(251, 179, 55)` looks like.

```
.text, #text, p{  
    color:rgb(251, 179, 55)  
}
```

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(251, 179, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 179, 55) }
```

Border

The CSS property to change the border of an element to Yxy 53.0253, 0.4697, 0.4401 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(251, 179, 55) }
```

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

```
.border{ border-color:rgb(251, 179, 55) }
```

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

Here you see how a box with a 4 pixel rgb(251, 179, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 179, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 179, 55);  
box-shadow:4px 4px 4px 4px rgb(251, 179,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0253, 0.4697, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 179, 55) }
```

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

```
.background{ background-color: rgb(251,  
179, 55) }
```

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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