

Converting Colors

Yxy(53.7959, 0.4847, 0.4534)

Have a look what the booklet for
Yxy(53.7959, 0.4847, 0.4534)
contains.

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Color

Yxy(53.9025, 0.4844, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	FFB400
RGB	255, 180, 0
RGB Percent	100%, 71%, 0%
CMY	0.0000, 0.2941, 1.0000
CMYK	0.00, 0.29, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.5625, 53.9025, 7.3676
YIQ	181.9050, 102.4800, -40.0800

Conversions

Conversions Part 2

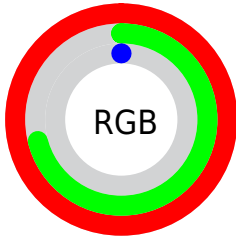
Format	Color
RYB	106, 255, 0
Decimal	16757760
CIELab	78.40, 16.11, 81.27
CIELCh	78, 82.850, 78.786
Yxy	53.9025, 0.4844, 0.4536
Android (android.graphics.Color)	4294947840 (0xFFFFB400)
YUV	181.9050, -89.6792, 64.1043
Hunter-Lab	73.4183, 11.4682, 45.4430

Details

The Yxy color **53.9025, 0.4844, 0.4536** 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 **12.2515, 0.1598, 0.0952**, and the grayscale version is **47.1819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8601, 0.4168, 0.4689**, and **26.6448, 0.4935, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **53.9044, 0.4844, 0.4536**, and if you desaturate by 10%, it is **57.0873, 0.4735, 0.4559**.

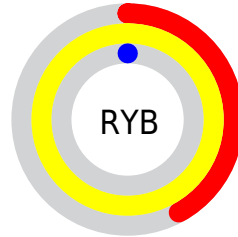
Distribution



Red (100%)

Green (71%)

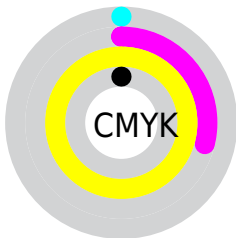
Blue (0%)



Red (42%)

Yellow (100%)

Blue (0%)

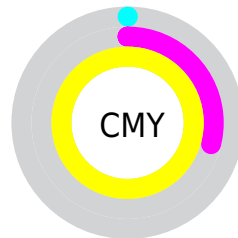


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9025, 0.4844, 0.4536 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 53.9025, 0.4844, 0.4536 by changing the saturation by 10% instead.


 53.9025, 0.4844,
0.4536

 53.9025, 0.4844,
0.4536


401.7381, 0.4106,
0.4067

 38.5237, 0.4974,
0.4595


 95.9311, 0.4615,
0.4409

 26.3894, 0.5110,
0.4641


 123.3497, 0.4517,
0.4348


 17.1152, 0.5274,
0.4685


 155.5503, 0.4429,
0.4292

 10.3167, 0.5371,
0.4629

 192.9174, 0.4350,
0.4239

 5.6094, 0.5478,
0.4522

 235.8353, 0.4279,
0.4191

 2.6091, 0.5643,
0.4357

 284.6885, 0.4216,

 0.9312, 0.5931,

0.4146

0.4069

339.8613, 0.4158,
0.4105

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.9025, 0.4844,
0.4536

■ 53.9025, 0.4844,
0.4536

■ 53.9044, 0.4844,
0.4536

■ 57.0873, 0.4735,
0.4559

■ 60.5309, 0.4597,
0.4535

■ 64.2664, 0.4429,
0.4462

■ 68.3139, 0.4241,
0.4345

■ 72.6904, 0.4041,
0.4194

■ 77.4113, 0.3840,
0.4021

■ 82.4904, 0.3643,
0.3837

■ 87.9404, 0.3457,
0.3650

■ 93.7732, 0.3285,
0.3466

Harmonies

Analogous

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



53.9025, 0.5247, 0.3784



53.9025, 0.4844, 0.4536



53.9025, 0.4025, 0.5190

Triad

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



53.9025, 0.4844, 0.4536



53.9025, 0.1554, 0.3109



53.9025, 0.2886, 0.1980

Complementary

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



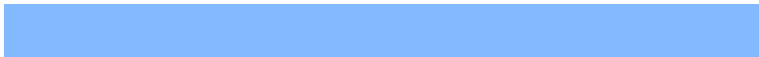
53.9025, 0.4844, 0.4536



12.2515, 0.1598, 0.0952

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.



53.9025, 0.2020, 0.1756



53.9025, 0.4844, 0.4536



53.9025, 0.1372, 0.2224

Square

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



53.9025, 0.4844, 0.4536



53.9025, 0.2133, 0.4379



53.9025, 0.1528, 0.1814



53.9025, 0.4016, 0.2447

Rectangle

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



53.9025, 0.4844, 0.4536



53.9025, 0.3375, 0.5347



53.9025, 0.1528, 0.1814



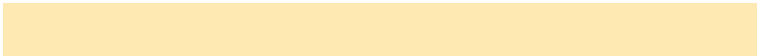
53.9025, 0.2556, 0.1876

Sweetspot

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



53.9044, 0.4844, 0.4536



82.4904, 0.3643, 0.3837



21.7888, 0.5811, 0.2975



17.1885, 0.3725, 0.3915



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.



53.9044, 0.4844, 0.4536



84.3574, 0.3837, 0.5336



20.1353, 0.3276, 0.3457



28.4377, 0.4830, 0.4547



2.9585, 0.4740, 0.4618

Inverse Universe

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



12.2515, 0.1598, 0.0952



7.9238, 0.1586, 0.0647



18.2482, 0.2979, 0.3117



6.6249, 0.1606, 0.0980



0.8246, 0.1666, 0.1198

Previews

White Background



This preview shows how the Yxy color 53.9025, 0.4844, 0.4536 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 53.9025, 0.4844, 0.4536 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 53.9025, 0.4844, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 53.9025, 0.4844, 0.4536.



This preview shows how white text looks on a background with the Yxy color 53.9025, 0.4844, 0.4536.

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

53.9025, 0.4844, 0.4536

Protanopia

54.1277, 0.4386, 0.4863

Deuteranopia

53.8738, 0.4733, 0.4624



Tritanopia

53.7632, 0.3796, 0.3176

Trichromacy



Original Color

53.9025, 0.4844, 0.4536

Protanomaly

54.0046, 0.4550, 0.4748

Deuteranomaly

54.0067, 0.4767, 0.4597

Tritanomaly

52.7931, 0.4380, 0.3885

Monochromacy



Original Color

53.9025, 0.4844, 0.4536

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8640, 0.3923, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9025, 0.4844, 0.4536 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.9025, 0.4844, 0.4536 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, 0) }
```

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

```
.border{ border-color:rgb(255, 180, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 53.9025, 0.4844, 0.4536 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
180, 0) }
```

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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