

Converting Colors

Yxy(53.7836, 0.4747, 0.4405)

Have a look what the booklet for
Yxy(53.7836, 0.4747, 0.4405)
contains.

Yxy(53.7305, 0.4749, 0.4404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.7305, 0.4749, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	FFB332
RGB	255, 179, 50
RGB Percent	100%, 70%, 20%
CMY	0.0000, 0.2980, 0.8039
CMYK	0.00, 0.30, 0.80, 0.00
HSL	38°, 100%, 60%
HSV	38°, 80%, 100%
XYZ	57.9396, 53.7305, 10.3337
YIQ	187.0180, 86.7050, -24.0070

Conversions

Conversions Part 2

Format	Color
R_{YB}	171, 255, 50
Decimal	16757554
CIE _{Lab}	78.30, 17.47, 71.37
CIE _{LCh}	78, 73.472, 76.247
Yxy	53.7305, 0.4749, 0.4404
Android (android.graphics.Color)	4294947634 (0xFFFFB332)
YUV	187.0180, -67.5499, 59.6202
Hunter-Lab	73.3011, 12.8155, 42.9523

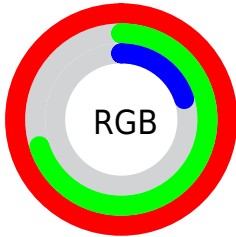
Details

The Yxy color **53.7305, 0.4749, 0.4404** is a light color, and the websafe version is hex **FFCC33**.

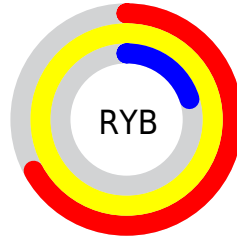
The color can be described as light washed orange. A complement of this color would be **22.8182, 0.1822, 0.1550**, and the grayscale version is **50.0558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7382, 0.4063, 0.4512**, and **26.2592, 0.4973, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **49.9079, 0.4921, 0.4409**, and if you desaturate by 10%, it is **57.9354, 0.4547, 0.4347**.

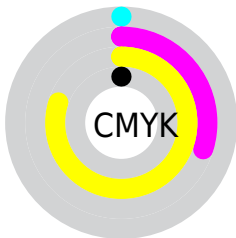
Distribution



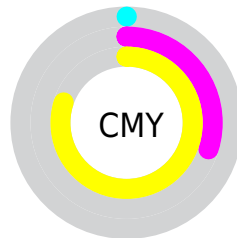
- Red (100%)
- Green (70%)
- Blue (20%)



- Red (67%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7305, 0.4749, 0.4404 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 53.7305, 0.4749, 0.4404 by changing the saturation by 10% instead.


 53.7305, 0.4749,
0.4404


 53.7305, 0.4749,
0.4404


401.0815, 0.4022,
0.3965


 38.3862, 0.4890,
0.4469


 95.6784, 0.4514,
0.4278

 26.2826, 0.5045,
0.4526


 123.0509, 0.4416,
0.4220


 17.0352, 0.5212,
0.4565


 155.2015, 0.4330,
0.4167

 10.2596, 0.5412,
0.4588

 192.5148, 0.4254,
0.4119

 5.5714, 0.5527,
0.4473

 235.3750, 0.4186,
0.4075

 2.5863, 0.5706,
0.4294

 284.1666, 0.4126,

 0.9198, 0.6015,

0.4035

0.3985

339.2740, 0.4072,
0.3998

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.7305, 0.4749,
0.4404

53.7305, 0.4749,
0.4404

49.9079, 0.4921,
0.4409

57.9354, 0.4547,
0.4347

46.5636, 0.5055,
0.4368

62.5452, 0.4328,
0.4245

67.5797, 0.4102,
0.4110

73.0566, 0.3879,
0.3954

78.9922, 0.3668,
0.3788

85.4017, 0.3472,
0.3619

92.2991, 0.3293,
0.3454

99.6978, 0.3133,
0.3296

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



53.7305, 0.5038, 0.3723



53.7305, 0.4749, 0.4404



53.7305, 0.4045, 0.4973

Triad

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



53.7305, 0.4749, 0.4404



53.7305, 0.1735, 0.3233



53.7305, 0.2841, 0.2068

Complementary

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



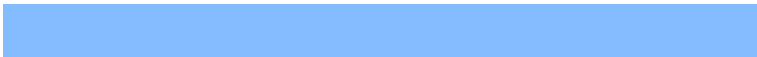
53.7305, 0.4749, 0.4404



22.8182, 0.1822, 0.1550

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.



53.7305, 0.2075, 0.1883



53.7305, 0.4749, 0.4404



53.7305, 0.1524, 0.2394

Square

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



53.7305, 0.4749, 0.4404



53.7305, 0.2309, 0.4335



53.7305, 0.1641, 0.1970



53.7305, 0.3838, 0.2486

Rectangle

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



53.7305, 0.4749, 0.4404



53.7305, 0.3461, 0.5111



53.7305, 0.1641, 0.1970



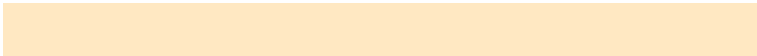
53.7305, 0.2550, 0.1978

Sweetspot

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



53.7306, 0.4749, 0.4404



83.0351, 0.3541, 0.3679



25.1146, 0.4903, 0.2659



17.2856, 0.3611, 0.3740



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.



53.7306, 0.4749, 0.4404



47.9220, 0.5001, 0.4388



88.7529, 0.3971, 0.5084



19.8923, 0.3278, 0.3439



24.6260, 0.5037, 0.4382



2.6071, 0.4915, 0.4479

Inverse Universe

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



22.8182, 0.1822, 0.1550



16.5839, 0.1678, 0.1219



10.9531, 0.1712, 0.0852



18.4807, 0.2979, 0.3136



8.2664, 0.1660, 0.1175



1.0056, 0.1722, 0.1400

Previews

White Background



This preview shows how the Yxy color 53.7305, 0.4749, 0.4404 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 53.7305, 0.4749, 0.4404 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 53.7305, 0.4749, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 53.7305, 0.4749, 0.4404.



This preview shows how white text looks on a background with the Yxy color 53.7305, 0.4749, 0.4404.

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

53.7305, 0.4749, 0.4404

Protanopia

53.7553, 0.4290, 0.4719

Deuteranopia

53.7275, 0.4621, 0.4516



Tritanopia

53.7632, 0.3796, 0.3176

Trichromacy



Original Color

53.7305, 0.4749, 0.4404

Protanomaly

53.6412, 0.4449, 0.4607

Deuteranomaly

53.6341, 0.4669, 0.4472

Tritanomaly

53.2533, 0.4227, 0.3709

Monochromacy



Original Color

53.7305, 0.4749, 0.4404

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.0842, 0.3764, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7305, 0.4749, 0.4404 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 50) }
```

Border

The CSS property to change the border of an element to Yxy 53.7305, 0.4749, 0.4404 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, 50) }
```

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

```
.border{ border-color:rgb(255, 179, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7305, 0.4749, 0.4404 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, 50) }
```

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

```
.background{ background-color: rgb(255,  
179, 50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor