

# Converting Colors

Yxy(59.4513, 0.4906, 0.4316)

Have a look what the booklet for  
Yxy(59.4513, 0.4906, 0.4316)  
contains.

<b>Yxy(54.5211, 0.4737, 0.4430)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(54.5211, 0.4737, 0.4430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB530
RGB	255, 181, 48
RGB Percent	100%, 71%, 19%
CMY	0.0000, 0.2902, 0.8116
CMYK	0.00, 0.29, 0.81, 0.00
HSL	39°, 100%, 59%
HSV	39°, 81%, 100%
XYZ	58.2994, 54.5211, 10.2519
YIQ	187.9640, 86.7970, -25.6750

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 255, 48
Decimal	16758064
CIE <sub>Lab</sub>	78.76, 16.36, 72.40
CIE <sub>LCh</sub>	79, 74.226, 77.268
Yxy	54.5211, 0.4737, 0.4430
Android (android.graphics.Color)	4294948144 (0xFFFFB530)
YUV	187.9640, -69.0023, 58.7906
Hunter-Lab	73.8384, 11.7182, 43.4549

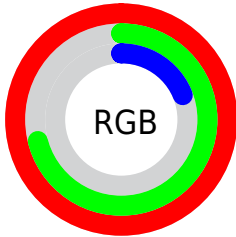
# Details

The Yxy color **54.5211, 0.4737, 0.4430** is a light color, and the websafe version is hex **FFCC33**.

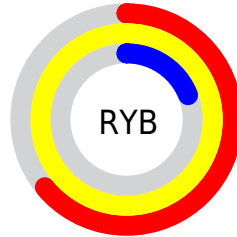
The color can be described as light washed orange. A complement of this color would be **21.7797, 0.1804, 0.1497**, and the grayscale version is **50.6344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8690, 0.4057, 0.4535**, and **26.7758, 0.4945, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **50.7818, 0.4900, 0.4434**, and if you desaturate by 10%, it is **58.6279, 0.4544, 0.4374**.

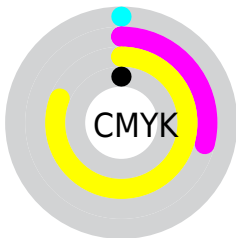
# Distribution



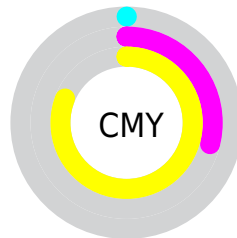
- Red (100%)
- Green (71%)
- Blue (19%)



- Red (64%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (29%)
- Yellow (81%)
- Black (0%)




- Cyan (0%)
- Magenta (29%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5211, 0.4737, 0.4430 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 54.5211, 0.4737, 0.4430 by changing the saturation by 10% instead.




 54.5211, 0.4737,  
0.4430


 54.5211, 0.4737,  
0.4430


404.0940, 0.4021,  
0.3980

 39.0184, 0.4874,  
0.4497


 96.8389, 0.4506,  
0.4300


 26.7741, 0.5025,  
0.4557


 124.4229, 0.4410,  
0.4241

 17.4036, 0.5185,  
0.4599


 156.8027, 0.4326,  
0.4187

 10.5227, 0.5375,  
0.4625

 194.3629, 0.4250,  
0.4138

 5.7469, 0.5482,  
0.4518

 237.4876, 0.4183,  
0.4093

 2.6918, 0.5646,  
0.4354

 286.5615, 0.4123,

 0.9730, 0.5931,

0.4052

0.4069

341.9688, 0.4069,  
0.4014

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5211, 0.4737,  
0.4430

■ 54.5211, 0.4737,  
0.4430

■ 50.7818, 0.4900,  
0.4434

■ 58.6279, 0.4544,  
0.4374

■ 47.7478, 0.5018,  
0.4398

■ 63.1187, 0.4331,  
0.4273

■ 68.0150, 0.4109,  
0.4137

■ 73.3341, 0.3890,  
0.3980

79.0919, 0.3680,  
0.3811

85.3031, 0.3485,  
0.3638

91.9814, 0.3306,  
0.3470

99.1400, 0.3145,  
0.3308

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.



54.5211, 0.5047, 0.3746



54.5211, 0.4737, 0.4430



54.5211, 0.4019, 0.4994

# Triad

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



54.5211, 0.4737, 0.4430



54.5211, 0.1715, 0.3197



54.5211, 0.2870, 0.2074

# Complementary

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



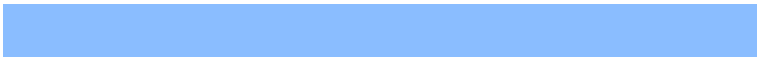
54.5211, 0.4737, 0.4430



21.7797, 0.1804, 0.1497

# 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.



54.5211, 0.2091, 0.1879



54.5211, 0.4737, 0.4430



54.5211, 0.1516, 0.2368

# Square

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



54.5211, 0.4737, 0.4430



54.5211, 0.2279, 0.4305



54.5211, 0.1644, 0.1956



54.5211, 0.3876, 0.2500



# Rectangle

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



54.5211, 0.4737, 0.4430



54.5211, 0.3430, 0.5119



54.5211, 0.1644, 0.1956



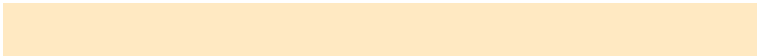
54.5211, 0.2575, 0.1981

# Sweetspot

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



54.5231, 0.4737, 0.4430



83.4905, 0.3539, 0.3687



24.8314, 0.4983, 0.2694



17.3954, 0.3608, 0.3749



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.



54.5231, 0.4737, 0.4430



48.7529, 0.4979, 0.4412



88.1309, 0.3949, 0.5110



19.9339, 0.3278, 0.3442



25.2419, 0.5001, 0.4411



2.6645, 0.4884, 0.4504



# Inverse Universe

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



21.7797, 0.1804, 0.1497



15.6517, 0.1661, 0.1164



10.8598, 0.1717, 0.0845



18.4406, 0.2979, 0.3133



7.9532, 0.1650, 0.1139



0.9720, 0.1712, 0.1363



# Previews

## White Background



This preview shows how the Yxy color 54.5211, 0.4737, 0.4430 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 54.5211, 0.4737, 0.4430 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 54.5211, 0.4737, 0.4430**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5211, 0.4737, 0.4430.



This preview shows how white text looks on a background with the Yxy color 54.5211, 0.4737, 0.4430.

# 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

54.5211, 0.4737, 0.4430

### Protanopia

54.7879, 0.4289, 0.4741

### Deuteranopia

54.4880, 0.4635, 0.4522



## Tritanopia

54.5660, 0.3781, 0.3187

# Trichromacy



**Original Color**

54.5211, 0.4737, 0.4430

**Protanomaly**

54.6564, 0.4447, 0.4629

**Deuteranomaly**

54.6260, 0.4665, 0.4493

**Tritanomaly**

54.0319, 0.4216, 0.3730

# Monochromacy



**Original Color**

54.5211, 0.4737, 0.4430

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

50.5011, 0.3760, 0.3874

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5211, 0.4737, 0.4430 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, 181, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 48)  
}
```

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, 181, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5211, 0.4737, 0.4430 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, 181, 48) }
```

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

```
.border{ border-color:rgb(255, 181, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5211, 0.4737, 0.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 48) }
```

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

```
.background{ background-color: rgb(255,  
181, 48) }
```

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