

Converting Colors

$Y_{xy}(55.5733, 0.4772, 0.4361)$

Have a look what the booklet for
Yxy(55.5733, 0.4772, 0.4361)
contains.

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Color

Yxy(54.1689, 0.4723, 0.4394)

Conversions

Conversions Part 1

Format	Color
Hex	FFB436
RGB	255, 180, 54
RGB Percent	100%, 71%, 21%
CMY	0.0001, 0.2941, 0.7879
CMYK	0.00, 0.29, 0.79, 0.00
HSL	38°, 100%, 61%
HSV	38°, 79%, 100%
XYZ	58.2248, 54.1689, 10.8856
YIQ	188.0610, 85.1460, -23.2860

Conversions

Conversions Part 2

Format	Color
R _Y B	174, 255, 54
Decimal	16757814
CIE Lab	78.56, 17.06, 70.21
CIE LCh	79, 72.253, 76.344
Yxy	54.1689, 0.4723, 0.4394
Android (android.graphics.Color)	4294947894 (0xFFFFB436)
YUV	188.0610, -66.0921, 58.7055
Hunter-Lab	73.5995, 12.4127, 42.7505

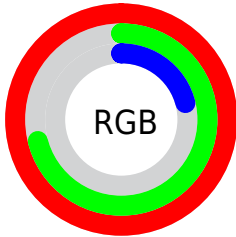
Details

The Yxy color **54.1689, 0.4723, 0.4394** is a light color, and the websafe version is hex **FFCC33**.

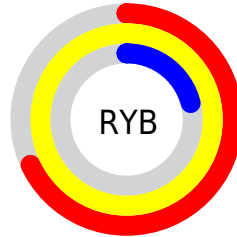
The color can be described as light washed orange. A complement of this color would be **23.7188, 0.1842, 0.1593**, and the grayscale version is **50.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3767, 0.4043, 0.4497**, and **26.5162, 0.4959, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **50.2799, 0.4901, 0.4407**, and if you desaturate by 10%, it is **58.4526, 0.4517, 0.4330**.

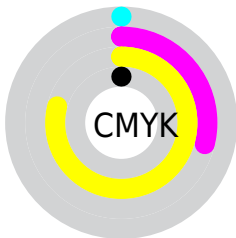
Distribution



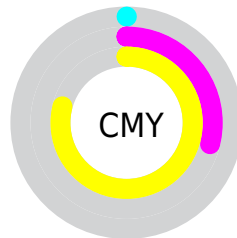
- Red (100%)
- Green (71%)
- Blue (21%)



- Red (68%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (29%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1689, 0.4723, 0.4394 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 54.1689, 0.4723, 0.4394 by changing the saturation by 10% instead.


 54.1689, 0.4723,
0.4394


 54.1689, 0.4723,
0.4394


402.7538, 0.4006,
0.3955


 38.7367, 0.4863,
0.4460


 96.3222, 0.4490,
0.4266

 26.5550, 0.5019,
0.4521


 123.8121, 0.4394,
0.4209

 17.2393, 0.5186,
0.4564


 156.0900, 0.4309,
0.4156

 10.4052, 0.5397,
0.4603

 193.5403, 0.4234,
0.4108

 5.6685, 0.5509,
0.4491

 236.5475, 0.4167,
0.4064

 2.6445, 0.5682,
0.4318

285.4958, 0.4108,

 0.9491, 0.5981,

0.4025

340.7698, 0.4054,
0.3988

0.4019

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

54.1689, 0.4723,
0.4394

54.1689, 0.4723,
0.4394

50.2799, 0.4901,
0.4407

58.4526, 0.4517,
0.4330

46.7472, 0.5046,
0.4369


63.1451, 0.4294,
0.4222

46.3409, 0.5062,
0.4362

68.2686, 0.4067,
0.4084

73.8406, 0.3845,
0.3926

 79.8774, 0.3636,
0.3759

 86.3939, 0.3442,
0.3591

 93.4044, 0.3267,
0.3427

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



54.1689, 0.5005, 0.3724



54.1689, 0.4723, 0.4394



54.1689, 0.4032, 0.4946

Triad

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



54.1689, 0.4723, 0.4394



54.1689, 0.1757, 0.3234



54.1689, 0.2850, 0.2088

Complementary

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



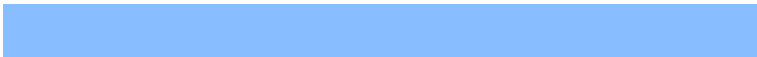
54.1689, 0.4723, 0.4394



23.7188, 0.1842, 0.1593

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.



54.1689, 0.2094, 0.1904



54.1689, 0.4723, 0.4394



54.1689, 0.1548, 0.2409

Square

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



54.1689, 0.4723, 0.4394



54.1689, 0.2323, 0.4309



54.1689, 0.1664, 0.1990



54.1689, 0.3829, 0.2501

Rectangle

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



54.1689, 0.4723, 0.4394



54.1689, 0.3457, 0.5074



54.1689, 0.1664, 0.1990



54.1689, 0.2564, 0.1999

Sweetspot

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



54.1716, 0.4723, 0.4394



82.9505, 0.3541, 0.3678



25.5438, 0.4851, 0.2656



17.2652, 0.3611, 0.3738



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.



54.1716, 0.4723, 0.4394



48.0544, 0.4994, 0.4388



88.8579, 0.3966, 0.5066



19.8846, 0.3278, 0.3439



24.5132, 0.5044, 0.4377



2.5965, 0.4921, 0.4475

Inverse Universe

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



23.7188, 0.1842, 0.1593



17.0341, 0.1687, 0.1245



11.4637, 0.1735, 0.0885



18.4882, 0.2979, 0.3137



8.3261, 0.1662, 0.1182



1.0120, 0.1724, 0.1406

Previews

White Background



This preview shows how the Yxy color 54.1689, 0.4723, 0.4394 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 54.1689, 0.4723, 0.4394 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 54.1689, 0.4723, 0.4394

Background



This preview shows how black text looks on a background with the Yxy color 54.1689, 0.4723, 0.4394.



This preview shows how white text looks on a background with the Yxy color 54.1689, 0.4723, 0.4394.

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

54.1689, 0.4723, 0.4394

Protanopia

54.2411, 0.4266, 0.4704

Deuteranopia

54.3583, 0.4605, 0.4500



Tritanopia

54.1839, 0.3784, 0.3176

Trichromacy



Original Color

54.1689, 0.4723, 0.4394

Protanomaly

54.1112, 0.4424, 0.4594

Deuteranomaly

54.2638, 0.4652, 0.4456

Tritanomaly

53.6975, 0.4203, 0.3699

Monochromacy



Original Color

54.1689, 0.4723, 0.4394

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.5591, 0.3744, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1689, 0.4723, 0.4394 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 54) }
```

Border

The CSS property to change the border of an element to Yxy 54.1689, 0.4723, 0.4394 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, 54) }
```

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

```
.border{ border-color:rgb(255, 180, 54) }
```

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, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1689, 0.4723, 0.4394 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, 54) }
```

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

```
.background{ background-color: rgb(255,  
180, 54) }
```

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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