

Converting Colors

$Yxy(54.1297, 0.4735, 0.4408)$

Have a look what the booklet for
Yxy(54.1297, 0.4735, 0.4408)
contains.

Yxy(54.1415, 0.4735, 0.4408)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.1415, 0.4735, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	FFB433
RGB	255, 180, 51
RGB Percent	100%, 71%, 20%
CMY	0.0000, 0.2941, 0.7997
CMYK	0.00, 0.29, 0.80, 0.00
HSL	38°, 100%, 60%
HSV	38°, 80%, 100%
XYZ	58.1579, 54.1415, 10.5261
YIQ	187.7190, 86.1090, -24.2190

Conversions

Conversions Part 2

Format	Color
R_YB	170, 255, 51
Decimal	16757811
CIE Lab	78.54, 16.96, 71.22
CIE LCh	79, 73.209, 76.601
Yxy	54.1415, 0.4735, 0.4408
Android (android.graphics.Color)	4294947891 (0xFFFFB433)
YUV	187.7190, -67.4025, 59.0054
Hunter-Lab	73.5809, 12.3187, 43.0249

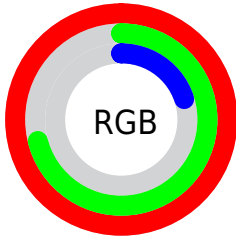
Details

The Yxy color **54.1415, 0.4735, 0.4408** is a light color, and the websafe version is hex **FFCC33**.

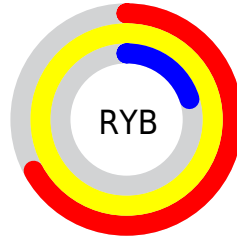
The color can be described as light washed orange. A complement of this color would be **22.8637, 0.1825, 0.1552**, and the grayscale version is **50.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3336, 0.4053, 0.4512**, and **26.5162, 0.4959, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **50.3182, 0.4907, 0.4416**, and if you desaturate by 10%, it is **58.3496, 0.4534, 0.4348**.

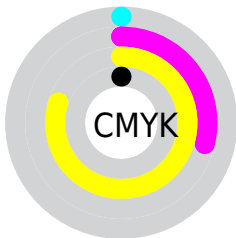
Distribution



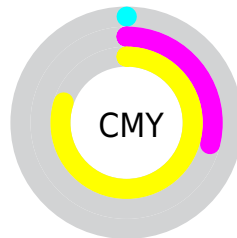
- Red (100%)
- Green (71%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (29%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (29%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1415, 0.4735, 0.4408 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 54.1415, 0.4735, 0.4408 by changing the saturation by 10% instead.


 54.1415, 0.4735,
0.4408


 54.1415, 0.4735,
0.4408


402.6494, 0.4015,
0.3966

 38.7148, 0.4874,
0.4474


 96.2820, 0.4502,
0.4280


 26.5379, 0.5029,
0.4534


 123.7645, 0.4406,
0.4222

 17.2265, 0.5193,
0.4575


 156.0345, 0.4320,
0.4169

 10.3961, 0.5395,
0.4605

 193.4763, 0.4245,
0.4120

 5.6624, 0.5506,
0.4494

 236.4743, 0.4178,
0.4076

 2.6409, 0.5678,
0.4322

 285.4129, 0.4118,

 0.9473, 0.5976,

0.4036

340.6764, 0.4064,
0.3999

0.4024

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

54.1415, 0.4735,
0.4408

54.1415, 0.4735,
0.4408

50.3182, 0.4907,
0.4416

58.3496, 0.4534,
0.4348

46.8377, 0.5046,
0.4375

62.9568, 0.4315,
0.4244

46.8266, 0.5047,
0.4375

67.9853, 0.4090,
0.4108

73.4528, 0.3869,
0.3950

■ 79.3752, 0.3658,
0.3783

■ 85.7675, 0.3464,
0.3613

■ 92.6438, 0.3286,
0.3447

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



54.1415, 0.5028, 0.3731



54.1415, 0.4735, 0.4408



54.1415, 0.4032, 0.4968

Triad

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



54.1415, 0.4735, 0.4408



54.1415, 0.1738, 0.3222



54.1415, 0.2853, 0.2078

Complementary

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



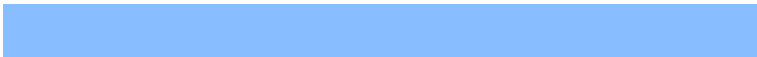
54.1415, 0.4735, 0.4408



22.8637, 0.1825, 0.1552

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.



54.1415, 0.2087, 0.1890



54.1415, 0.4735, 0.4408



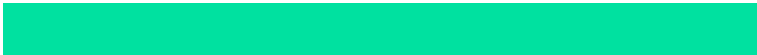
54.1415, 0.1531, 0.2392

Square

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



54.1415, 0.4735, 0.4408



54.1415, 0.2305, 0.4316



54.1415, 0.1651, 0.1974



54.1415, 0.3846, 0.2496

Rectangle

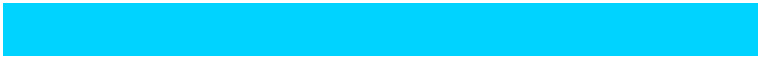
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.1415, 0.4735, 0.4408



54.1415, 0.3450, 0.5099



54.1415, 0.1651, 0.1974



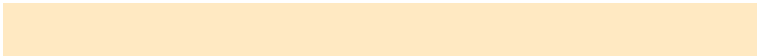
54.1415, 0.2563, 0.1987

Sweetspot

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



54.1442, 0.4735, 0.4408



83.1385, 0.3540, 0.3681



25.2248, 0.4889, 0.2658



17.3105, 0.3610, 0.3742



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.



54.1442, 0.4735, 0.4408



48.1858, 0.4993, 0.4395



88.7764, 0.3970, 0.5080



19.9018, 0.3278, 0.3440



24.7648, 0.5029, 0.4389



2.6200, 0.4908, 0.4485

Inverse Universe

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



22.8637, 0.1825, 0.1552



16.4422, 0.1676, 0.1211



11.0851, 0.1718, 0.0861



18.4716, 0.2979, 0.3135



8.1940, 0.1658, 0.1167



0.9978, 0.1720, 0.1391

Previews

White Background



This preview shows how the Yxy color 54.1415, 0.4735, 0.4408 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 54.1415, 0.4735, 0.4408 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 54.1415, 0.4735, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 54.1415, 0.4735, 0.4408.



This preview shows how white text looks on a background with the Yxy color 54.1415, 0.4735, 0.4408.

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

54.1415, 0.4735, 0.4408

Protanopia

54.2115, 0.4278, 0.4721

Deuteranopia

54.3322, 0.4616, 0.4514



Tritanopia

54.1839, 0.3784, 0.3176

Trichromacy



Original Color

54.1415, 0.4735, 0.4408

Protanomaly

54.0822, 0.4436, 0.4610

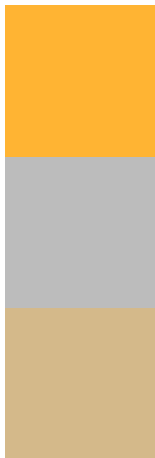
Deuteranomaly

54.2370, 0.4663, 0.4471

Tritanomaly

53.6692, 0.4212, 0.3709

Monochromacy



Original Color

54.1415, 0.4735, 0.4408

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.5300, 0.3752, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1415, 0.4735, 0.4408 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 51) }
```

Border

The CSS property to change the border of an element to Yxy 54.1415, 0.4735, 0.4408 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, 51) }
```

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

```
.border{ border-color:rgb(255, 180, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1415, 0.4735, 0.4408 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
180, 51) }
```

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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