

Converting Colors

Yxy(60.2588, 0.4878, 0.4428)

Have a look what the booklet for
Yxy(60.2588, 0.4878, 0.4428)
contains.

Yxy(56.4767, 0.4739, 0.4532)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.4767, 0.4739, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA1F
RGB	255, 186, 31
RGB Percent	100%, 73%, 12%
CMY	0.0000, 0.2706, 0.8784
CMYK	0.00, 0.27, 0.88, 0.00
HSL	42°, 100%, 56%
HSV	42°, 88%, 100%
XYZ	59.0563, 56.4767, 9.0846
YIQ	188.9610, 90.8790, -33.5770

Conversions

Conversions Part 2

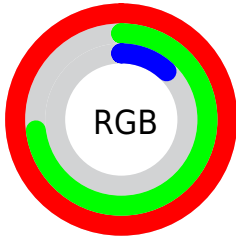
Format	Color
R_{YB}	131, 255, 31
Decimal	16759327
CIE _{Lab}	79.88, 13.36, 77.92
CIE _{LCh}	80, 79.062, 80.269
Yxy	56.4767, 0.4739, 0.4532
Android (android.graphics.Color)	4294949407 (0xFFFFBA1F)
YUV	188.9610, -77.8748, 57.9162
Hunter-Lab	75.1510, 8.7574, 45.4384

Details

The Yxy color **56.4767, 0.4739, 0.4532** 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 **16.6287, 0.1699, 0.1219**, and the grayscale version is **51.2770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5905, 0.4078, 0.4651**, and **28.1125, 0.4875, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **53.1662, 0.4858, 0.4514**, and if you desaturate by 10%, it is **60.0658, 0.4587, 0.4501**.

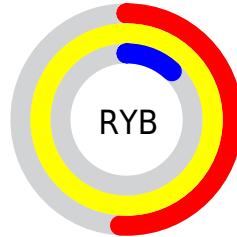
Distribution



Red (100%)

Green (73%)

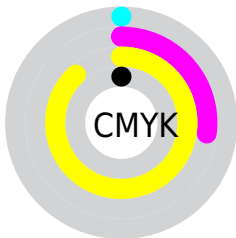
Blue (12%)



Red (51%)

Yellow (100%)

Blue (12%)

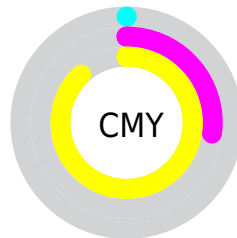


Cyan (0%)

Magenta (27%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4767, 0.4739, 0.4532 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 56.4767, 0.4739, 0.4532 by changing the saturation by 10% instead.


 56.4767, 0.4739,
0.4532


 56.4767, 0.4739,
0.4532


411.4855, 0.4042,
0.4047


 40.5853, 0.4865,
0.4602


 99.7012, 0.4520,
0.4394


 27.9952, 0.4999,
0.4665


 127.8031, 0.4428,
0.4331

 18.3220, 0.5142,
0.4713


 160.7439, 0.4345,
0.4272

 11.1814, 0.5278,
0.4722

 198.9080, 0.4271,
0.4219

 6.1890, 0.5363,
0.4637

 242.6798, 0.4205,
0.4170

 2.9603, 0.5493,
0.4507

 292.4437, 0.4145,

 1.1111, 0.5716,

0.4125

0.4284

348.5842, 0.4091,
0.4084

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.4767, 0.4739,
0.4532

■ 56.4767, 0.4739,
0.4532

■ 53.1662, 0.4858,
0.4514

■ 60.0658, 0.4587,
0.4501

■ 52.4826, 0.4881,
0.4506

■ 63.9710, 0.4408,
0.4419

■ 68.2079, 0.4211,
0.4296

■ 72.7936, 0.4006,
0.4143

■ 77.7434, 0.3801,
0.3969

■ 83.0710, 0.3605,
0.3787

■ 88.7896, 0.3420,
0.3603

■ 94.9110, 0.3250,
0.3425

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.



56.4767, 0.5131, 0.3819



56.4767, 0.4739, 0.4532



56.4767, 0.3955, 0.5112

Triad

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



56.4767, 0.4739, 0.4532



56.4767, 0.1616, 0.3077



56.4767, 0.2953, 0.2058

Complementary

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



56.4767, 0.4739, 0.4532



16.6287, 0.1699, 0.1219

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.



56.4767, 0.2109, 0.1831



56.4767, 0.4739, 0.4532



56.4767, 0.1451, 0.2258

Square

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



56.4767, 0.4739, 0.4532



56.4767, 0.2158, 0.4249



56.4767, 0.1616, 0.1876



56.4767, 0.4019, 0.2519

Rectangle

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



56.4767, 0.4739, 0.4532



56.4767, 0.3334, 0.5212



56.4767, 0.1616, 0.1876



56.4767, 0.2635, 0.1954

Sweetspot

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



56.4727, 0.4739, 0.4532



84.0940, 0.3569, 0.3753



23.1983, 0.5379, 0.2828



17.5899, 0.3636, 0.3817



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.



56.4727, 0.4739, 0.4532



52.4826, 0.4881, 0.4506



85.9052, 0.3882, 0.5234



20.0908, 0.3277, 0.3454



27.7005, 0.4867, 0.4517



2.8912, 0.4771, 0.4594

Inverse Universe

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



16.6287, 0.1699, 0.1219



12.7490, 0.1607, 0.0984



9.5807, 0.1682, 0.0760



18.2904, 0.2979, 0.3121



6.8925, 0.1615, 0.1013



0.8550, 0.1676, 0.1233

Previews

White Background



This preview shows how the Yxy color 56.4767, 0.4739, 0.4532 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 56.4767, 0.4739, 0.4532 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 56.4767, 0.4739, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 56.4767, 0.4739, 0.4532.



This preview shows how white text looks on a background with the Yxy color 56.4767, 0.4739, 0.4532.

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

56.4767, 0.4739, 0.4532

Protanopia

56.6562, 0.4349, 0.4816

Deuteranopia

56.3791, 0.4685, 0.4583



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.4767, 0.4739, 0.4532

Protanomaly

56.3612, 0.4496, 0.4706

Deuteranomaly

56.3298, 0.4708, 0.4561

Tritanomaly

55.5412, 0.4219, 0.3800

Monochromacy



Original Color

56.4767, 0.4739, 0.4532

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.7785, 0.3798, 0.3965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4767, 0.4739, 0.4532 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, 186, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 31)  
}
```

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, 186, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 31) }
```

Border

The CSS property to change the border of an element to Yxy 56.4767, 0.4739, 0.4532 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, 186, 31) }
```

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

```
.border{ border-color:rgb(255, 186, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4767, 0.4739, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 31) }
```

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

```
.background{ background-color: rgb(255,  
186, 31) }
```

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