

Converting Colors

Yxy(56.6168, 0.4679, 0.4460)

Have a look what the booklet for
Yxy(56.6168, 0.4679, 0.4460)
contains.

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Color

Yxy(56.6168, 0.4679, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA33
RGB	255, 186, 51
RGB Percent	100%, 73%, 20%
CMY	0.0000, 0.2706, 0.8000
CMYK	0.00, 0.27, 0.80, 0.00
HSL	40°, 100%, 60%
HSV	40°, 80%, 100%
XYZ	59.3969, 56.6168, 10.9298
YIQ	191.2410, 84.4590, -27.3570

Conversions

Conversions Part 2

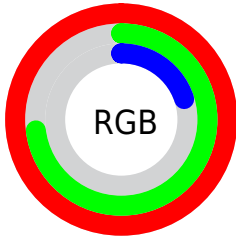
Format	Color
RYB	155, 255, 51
Decimal	16759347
CIELab	79.96, 13.84, 72.50
CIELCh	80, 73.814, 79.193
Yxy	56.6168, 0.4679, 0.4460
Android (android.graphics.Color)	4294949427 (0xFFFFBA33)
YUV	191.2410, -69.1388, 55.9166
Hunter-Lab	75.2441, 9.2286, 44.0585

Details

The Yxy color **56.6168, 0.4679, 0.4460** 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 **21.3573, 0.1804, 0.1475**, and the grayscale version is **52.6222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8470, 0.4020, 0.4559**, and **28.1125, 0.4875, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **52.9277, 0.4837, 0.4474**, and if you desaturate by 10%, it is **60.6539, 0.4492, 0.4395**.

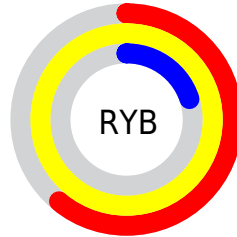
Distribution



Red (100%)

Green (73%)

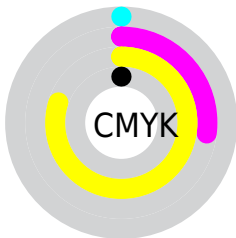
Blue (20%)



Red (61%)

Yellow (100%)

Blue (20%)

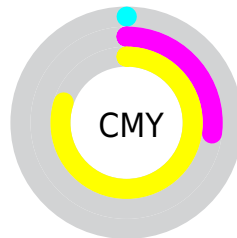


Cyan (0%)

Magenta (27%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6168, 0.4679, 0.4460 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 56.6168, 0.4679, 0.4460 by changing the saturation by 10% instead.


 56.6168, 0.4679,
0.4460

 56.6168, 0.4679,
0.4460


412.0119, 0.3994,
0.3992


 40.6977, 0.4809,
0.4533


 99.9058, 0.4459,
0.4322

 28.0829, 0.4952,
0.4602


 128.0445, 0.4368,
0.4261


 18.3882, 0.5103,
0.4656


 161.0252, 0.4286,
0.4205

 11.2290, 0.5291,
0.4709

 199.2322, 0.4214,
0.4154

 6.2211, 0.5379,
0.4621

 243.0500, 0.4150,
0.4107

 2.9800, 0.5513,
0.4487

292.8629, 0.4093,

 1.1213, 0.5742,

0.4065

0.4258

349.0554, 0.4041,
0.4027

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.6168, 0.4679,
0.4460

56.6168, 0.4679,
0.4460

52.9277, 0.4837,
0.4474

60.6539, 0.4492,
0.4395

49.5457, 0.4964,
0.4441

65.0520, 0.4285,
0.4285

49.5447, 0.4964,
0.4441

69.8325, 0.4071,
0.4143

75.0117, 0.3857,
0.3979

80.6048, 0.3653,
0.3805

86.6256, 0.3461,
0.3628

93.0873, 0.3286,
0.3455

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.



56.6168, 0.5013, 0.3788



56.6168, 0.4679, 0.4460



56.6168, 0.3957, 0.4991

Triad

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



56.6168, 0.4679, 0.4460



56.6168, 0.1714, 0.3137



56.6168, 0.2935, 0.2112

Complementary

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



56.6168, 0.4679, 0.4460



21.3573, 0.1804, 0.1475

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.



56.6168, 0.2146, 0.1903



56.6168, 0.4679, 0.4460



56.6168, 0.1538, 0.2347

Square

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



56.6168, 0.4679, 0.4460



56.6168, 0.2249, 0.4218



56.6168, 0.1684, 0.1962



56.6168, 0.3928, 0.2545

Rectangle

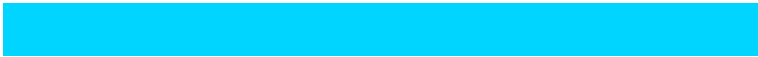
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6168, 0.4679, 0.4460



56.6168, 0.3372, 0.5079



56.6168, 0.1684, 0.1962



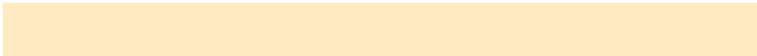
56.6168, 0.2639, 0.2015

Sweetspot

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



56.6195, 0.4679, 0.4460



84.1633, 0.3536, 0.3699



25.0435, 0.4998, 0.2723



17.5579, 0.3605, 0.3762



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.



56.6195, 0.4679, 0.4460



50.8653, 0.4915, 0.4458



87.6706, 0.3922, 0.5115



19.9951, 0.3278, 0.3447



26.1757, 0.4948, 0.4453



2.7510, 0.4839, 0.4539

Inverse Universe

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



21.3573, 0.1804, 0.1475



15.1138, 0.1654, 0.1132



11.3646, 0.1749, 0.0877



18.3818, 0.2979, 0.3128



7.5170, 0.1636, 0.1088



0.9245, 0.1698, 0.1311

Previews

White Background



This preview shows how the Yxy color 56.6168, 0.4679, 0.4460 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 56.6168, 0.4679, 0.4460 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 56.6168, 0.4679, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 56.6168, 0.4679, 0.4460.



This preview shows how white text looks on a background with the Yxy color 56.6168, 0.4679, 0.4460.

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

56.6168, 0.4679, 0.4460

Protanopia

56.8012, 0.4291, 0.4731

Deuteranopia

56.5207, 0.4625, 0.4508



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.6168, 0.4679, 0.4460

Protanomaly

56.5028, 0.4438, 0.4627

Deuteranomaly

56.4664, 0.4650, 0.4489

Tritanomaly

55.7375, 0.4160, 0.3730

Monochromacy



Original Color

56.6168, 0.4679, 0.4460

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.5848, 0.3738, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6168, 0.4679, 0.4460 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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, 186, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 51) }
```

Border

The CSS property to change the border of an element to Yxy 56.6168, 0.4679, 0.4460 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, 51) }
```

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

```
.border{ border-color:rgb(255, 186, 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, 186, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6168, 0.4679, 0.4460 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, 51) }
```

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

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