

Converting Colors

Yxy(56.9935, 0.4644, 0.4431)

Have a look what the booklet for
Yxy(56.9935, 0.4644, 0.4431)
contains.

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Color

Yxy(57.1061, 0.4642, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB3A
RGB	255, 187, 58
RGB Percent	100%, 73%, 23%
CMY	0.0001, 0.2666, 0.7723
CMYK	0.00, 0.27, 0.77, 0.00
HSL	39°, 100%, 61%
HSV	39°, 77%, 100%
XYZ	59.7715, 57.1061, 11.8848
YIQ	192.6260, 81.9370, -25.7030

Conversions

Conversions Part 2

Format	Color
RYB	162, 255, 58
Decimal	16759610
CIELab	80.24, 13.55, 70.35
CIELCh	80, 71.641, 79.099
Yxy	57.1061, 0.4642, 0.4435
Android (android.graphics.Color)	4294949690 (0xFFFFBB3A)
YUV	192.6260, -66.3706, 54.7020
Hunter-Lab	75.5686, 8.9408, 43.5734

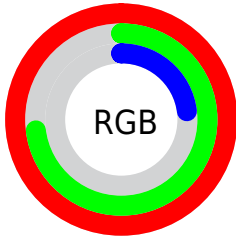
Details

The Yxy color **57.1061, 0.4642, 0.4435** is a light color, and the websafe version is hex **FFCC33**.

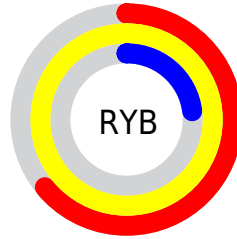
The color can be described as light washed orange. A complement of this color would be **23.0549, 0.1843, 0.1559**, and the grayscale version is **53.4641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5761, 0.3986, 0.4521**, and **28.3877, 0.4861, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **53.2888, 0.4812, 0.4462**, and if you desaturate by 10%, it is **61.2864, 0.4445, 0.4358**.

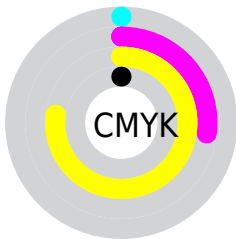
Distribution



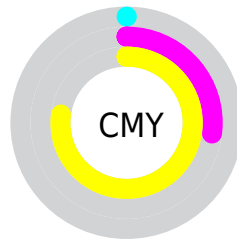
- Red (100%)
- Green (73%)
- Blue (23%)



- Red (64%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (27%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1061, 0.4642, 0.4435 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 57.1061, 0.4642, 0.4435 by changing the saturation by 10% instead.

 57.1061, 0.4642,
0.4435

 57.1061, 0.4642,
0.4435


413.8468, 0.3969,
0.3971


 41.0904, 0.4772,
0.4510

 100.6200, 0.4424,
0.4297


 28.3898, 0.4917,
0.4582


 128.8870, 0.4334,
0.4236


 18.6197, 0.5071,
0.4643


 162.0066, 0.4255,
0.4180

 11.3958, 0.5281,
0.4719

 200.3631, 0.4184,
0.4130

 6.3337, 0.5366,
0.4634

 244.3410, 0.4121,
0.4085

 3.0490, 0.5495,
0.4505

294.3246, 0.4065,

 1.1574, 0.5717,

0.4043

0.4283

350.6984, 0.4015,
0.4006

■ 0.0265, 0.9307,
0.0693

■ 0.0000, 0.0000,
0.0000

■ 57.1061, 0.4642,
0.4435

■ 57.1061, 0.4642,
0.4435

■ 53.2888, 0.4812,
0.4462

■ 61.2864, 0.4445,
0.4358

■ 49.8004, 0.4949,
0.4438

■ 65.8418, 0.4233,
0.4239

■ 48.8813, 0.4983,
0.4425

■ 70.7933, 0.4015,
0.4091

■ 76.1570, 0.3802,
0.3925

81.9480, 0.3599,
0.3751

88.1802, 0.3411,
0.3577

94.8665, 0.3240,
0.3407

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



57.1061, 0.4958, 0.3783



57.1061, 0.4642, 0.4435



57.1061, 0.3944, 0.4940

Triad

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



57.1061, 0.4642, 0.4435



57.1061, 0.1754, 0.3149



57.1061, 0.2940, 0.2141

Complementary

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



57.1061, 0.4642, 0.4435



23.0549, 0.1843, 0.1559

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.



57.1061, 0.2172, 0.1938



57.1061, 0.4642, 0.4435



57.1061, 0.1577, 0.2379

Square

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



57.1061, 0.4642, 0.4435



57.1061, 0.2280, 0.4188



57.1061, 0.1719, 0.1998



57.1061, 0.3901, 0.2565

Rectangle

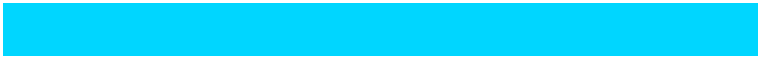
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.1061, 0.4642, 0.4435



57.1061, 0.3375, 0.5019



57.1061, 0.1719, 0.1998



57.1061, 0.2652, 0.2046

Sweetspot

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



57.1090, 0.4642, 0.4435



84.5374, 0.3518, 0.3677



25.8230, 0.4903, 0.2718



17.6215, 0.3587, 0.3740



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.



57.1090, 0.4642, 0.4435



51.2425, 0.4895, 0.4454



87.8961, 0.3914, 0.5080



19.9730, 0.3278, 0.3445



25.8345, 0.4967, 0.4438



2.7194, 0.4856, 0.4527

Inverse Universe

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



23.0549, 0.1843, 0.1559



16.4067, 0.1681, 0.1208



12.3086, 0.1790, 0.0935



18.4030, 0.2979, 0.3130



7.6713, 0.1641, 0.1106



0.9414, 0.1703, 0.1330

Previews

White Background



This preview shows how the Yxy color 57.1061, 0.4642, 0.4435 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 57.1061, 0.4642, 0.4435 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 57.1061, 0.4642, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 57.1061, 0.4642, 0.4435.



This preview shows how white text looks on a background with the Yxy color 57.1061, 0.4642, 0.4435.

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

57.1061, 0.4642, 0.4435

Protanopia

57.3335, 0.4256, 0.4699

Deuteranopia

57.0146, 0.4589, 0.4483



Tritanopia

57.2179, 0.3701, 0.3177

Trichromacy



Original Color

57.1061, 0.4642, 0.4435

Protanomaly

57.0186, 0.4402, 0.4598

Deuteranomaly

56.9573, 0.4614, 0.4464

Tritanomaly

56.6689, 0.4115, 0.3710

Monochromacy



Original Color

57.1061, 0.4642, 0.4435

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.8741, 0.3716, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1061, 0.4642, 0.4435 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, 187, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 58)  
}
```

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, 187, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 58) }
```

Border

The CSS property to change the border of an element to Yxy 57.1061, 0.4642, 0.4435 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, 187, 58) }
```

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

```
.border{ border-color:rgb(255, 187, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1061, 0.4642, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 58) }
```

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

```
.background{ background-color: rgb(255,  
187, 58) }
```

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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