

Converting Colors

Yxy(57.9607, 0.4624, 0.4452)

Have a look what the booklet for
Yxy(57.9607, 0.4624, 0.4452)
contains.

Yxy(57.9607, 0.4624, 0.4452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.9607, 0.4624, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD3A
RGB	255, 189, 58
RGB Percent	100%, 74%, 23%
CMY	0.0000, 0.2588, 0.7722
CMYK	0.00, 0.26, 0.77, 0.00
HSL	40°, 100%, 61%
HSV	40°, 77%, 100%
XYZ	60.2000, 57.9607, 12.0296
YIQ	193.8000, 81.3870, -26.7490

Conversions

Conversions Part 2

Format	Color
RYB	157, 255, 58
Decimal	16760122
CIELab	80.72, 12.51, 70.79
CIELCh	81, 71.882, 79.977
Yxy	57.9607, 0.4624, 0.4452
Android (android.graphics.Color)	4294950202 (0xFFFFBD3A)
YUV	193.8000, -66.9494, 53.6724
Hunter-Lab	76.1319, 7.9148, 43.9240

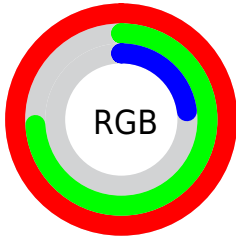
Details

The Yxy color **57.9607, 0.4624, 0.4452** is a light color, and the websafe version is hex **FFCC33**.

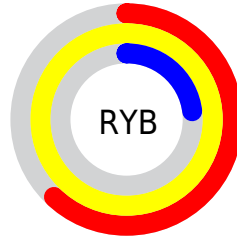
The color can be described as light washed orange. A complement of this color would be **22.5548, 0.1837, 0.1533**, and the grayscale version is **54.1988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7797, 0.3975, 0.4536**, and **28.9458, 0.4834, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **54.1960, 0.4789, 0.4481**, and if you desaturate by 10%, it is **62.0761, 0.4432, 0.4373**.

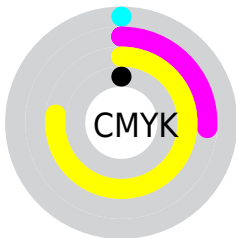
Distribution



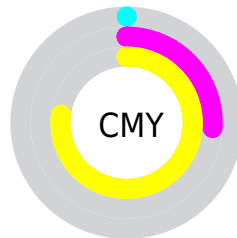
- Red (100%)
- Green (74%)
- Blue (23%)



- Red (62%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (26%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9607, 0.4624, 0.4452 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 57.9607, 0.4624, 0.4452 by changing the saturation by 10% instead.


 57.9607, 0.4624,
0.4452


 57.9607, 0.4624,
0.4452

417.0395, 0.3962,
0.3980

 41.7771, 0.4751,
0.4529


 101.8656, 0.4411,
0.4311


 28.9268, 0.4892,
0.4604


 130.3557, 0.4322,
0.4249

 19.0254, 0.5042,
0.4669


 163.7167, 0.4244,
0.4192

 11.6886, 0.5247,
0.4753

 202.3330, 0.4174,
0.4141

 6.5320, 0.5325,
0.4675

 246.5891, 0.4113,
0.4095

 3.1712, 0.5442,
0.4558

296.8692, 0.4057,

 1.2218, 0.5643,

0.4053

0.4357

353.5579, 0.4007,
0.4015

0.0794, 0.8275,
0.1725

0.0000, 0.0000,
0.0000

57.9607, 0.4624,
0.4452

57.9607, 0.4624,
0.4452

54.1960, 0.4789,
0.4481

62.0761, 0.4432,
0.4373

50.7482, 0.4922,
0.4459

66.5540, 0.4223,
0.4252

49.8361, 0.4955,
0.4448

71.4148, 0.4009,
0.4102

76.6746, 0.3798,
0.3934

82.3479, 0.3597,
0.3758

88.4483, 0.3411,
0.3581

94.9887, 0.3240,
0.3409

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



57.9607, 0.4954, 0.3802



57.9607, 0.4624, 0.4452



57.9607, 0.3919, 0.4947

Triad

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



57.9607, 0.4624, 0.4452



57.9607, 0.1746, 0.3122



57.9607, 0.2967, 0.2152

Complementary

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



57.9607, 0.4624, 0.4452



22.5548, 0.1837, 0.1533

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.



57.9607, 0.2192, 0.1942



57.9607, 0.4624, 0.4452



57.9607, 0.1579, 0.2364

Square

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



57.9607, 0.4624, 0.4452



57.9607, 0.2261, 0.4157



57.9607, 0.1730, 0.1994



57.9607, 0.3927, 0.2581

Rectangle

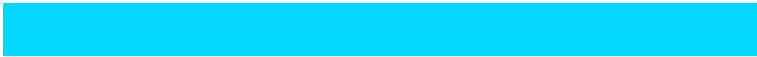
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.9607, 0.4624, 0.4452



57.9607, 0.3349, 0.5012



57.9607, 0.1730, 0.1994



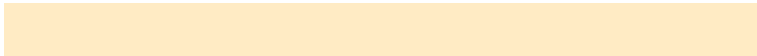
57.9607, 0.2677, 0.2055

Sweetspot

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



57.9636, 0.4624, 0.4452



84.8769, 0.3517, 0.3683



25.8257, 0.4903, 0.2718



17.7041, 0.3586, 0.3747



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.



57.9636, 0.4624, 0.4452



52.1709, 0.4870, 0.4475



87.8990, 0.3914, 0.5080



20.0050, 0.3278, 0.3448



26.3298, 0.4939, 0.4460



2.7652, 0.4832, 0.4545

Inverse Universe

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



22.5548, 0.1837, 0.1533



15.9553, 0.1673, 0.1181



12.3114, 0.1790, 0.0936



18.3723, 0.2979, 0.3127



7.4492, 0.1633, 0.1080



0.9171, 0.1695, 0.1303

Previews

White Background



This preview shows how the Yxy color 57.9607, 0.4624, 0.4452 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 57.9607, 0.4624, 0.4452 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 57.9607, 0.4624, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 57.9607, 0.4624, 0.4452.



This preview shows how white text looks on a background with the Yxy color 57.9607, 0.4624, 0.4452.

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

57.9607, 0.4624, 0.4452

Protanopia

58.1178, 0.4265, 0.4696

Deuteranopia

57.8278, 0.4592, 0.4476



Tritanopia

57.7083, 0.3680, 0.3166

Trichromacy



Original Color

57.9607, 0.4624, 0.4452

Protanomaly

58.0916, 0.4394, 0.4609

Deuteranomaly

58.0150, 0.4600, 0.4471

Tritanomaly

57.1101, 0.4101, 0.3710

Monochromacy



Original Color

57.9607, 0.4624, 0.4452

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.3425, 0.3704, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9607, 0.4624, 0.4452 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, 189, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 58) }
```

Border

The CSS property to change the border of an element to Yxy 57.9607, 0.4624, 0.4452 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, 189, 58) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9607, 0.4624, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 58) }
```

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

```
.background{ background-color: rgb(255,  
189, 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](#).

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