

Converting Colors

$Yxy(68.4725, 0.4305, 0.4587)$

Have a look what the booklet for
Yxy(68.4725, 0.4305, 0.4587)
contains.

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Color

Yxy(68.2362, 0.4309, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	F9D54B
RGB	249, 213, 75
RGB Percent	98%, 84%, 29%
CMY	0.0236, 0.1647, 0.7056
CMYK	0.00, 0.14, 0.70, 0.02
HSL	48°, 94%, 64%
HSV	48°, 70%, 98%
XYZ	64.1286, 68.2362, 16.4600
YIQ	208.0320, 65.7540, -35.2860

Conversions

Conversions Part 2

Format	Color
RYB	120, 249, 75
Decimal	16373067
CIELab	86.12, -1.65, 69.53
CIELCh	86, 69.554, 91.362
Yxy	68.2362, 0.4309, 0.4585
Android (android.graphics.Color)	4294563147 (0xFFFF9D54B)
YUV	208.0320, -65.5848, 35.9289
Hunter-Lab	82.6052, -5.9848, 46.0094

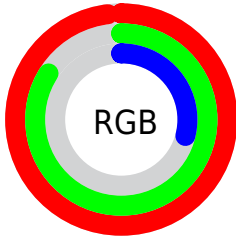
Details

The Yxy color **68.2362, 0.4309, 0.4585** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **19.7161, 0.1869, 0.1434**, and the grayscale version is **63.5056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **35.6151, 0.4504, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **65.4122, 0.4441, 0.4674**, and if you desaturate by 10%, it is **71.2824, 0.4153, 0.4453**.

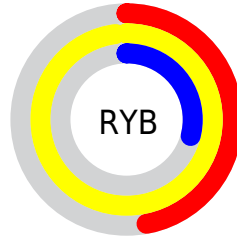
Distribution



Red (98%)

Green (84%)

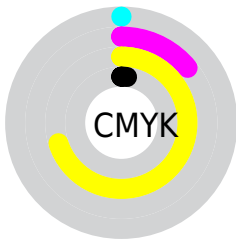
Blue (29%)



Red (47%)

Yellow (98%)

Blue (29%)

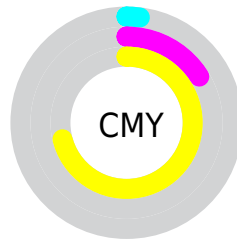


Cyan (0%)

Magenta (14%)

Yellow (70%)

Black (2%)



Cyan (2%)


Magenta (16%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2362, 0.4309, 0.4585 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 68.2362, 0.4309, 0.4585 by changing the saturation by 10% instead.


 68.2362, 0.4309,
0.4585

 68.2362, 0.4309,
0.4585

454.3324, 0.3807,
0.4029


 50.0899, 0.4402,
0.4690

 116.6900, 0.4150,
0.4408

 35.4848, 0.4504,
0.4806


 147.7663, 0.4084,
0.4334


 24.0366, 0.4611,
0.4929


 183.9213, 0.4024,
0.4268

 15.3608, 0.4716,
0.5054

 225.5396, 0.3971,
0.4210

 9.0730, 0.4818,
0.5182

 273.0055, 0.3923,
0.4157

 4.7888, 0.4805,
0.5195

326.7033, 0.3881,

 2.1239, 0.4783,

0.4110

387.0175, 0.3842,
0.4068

0.5217

0.6780, 0.4712,
0.5288

0.0000, 0.0000,
0.0000

68.2362, 0.4309,
0.4585

68.2362, 0.4309,
0.4585

65.4122, 0.4441,
0.4674

71.2824, 0.4153,
0.4453

62.7833, 0.4545,
0.4714


74.5555, 0.3981,
0.4288


60.3250, 0.4621,
0.4712


78.0718, 0.3801,
0.4098

60.2884, 0.4622,
0.4712

81.8429, 0.3621,
0.3896

 85.8795, 0.3446,
0.3688

 90.1913, 0.3280,
0.3484

 94.7878, 0.3125,
0.3287

 98.3742, 0.3090,
0.3282

 98.8765, 0.3090,
0.3290

Harmonies

Analogous

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



68.2362, 0.4758, 0.4021



68.2362, 0.4309, 0.4585



68.2362, 0.3581, 0.4874

Triad

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



68.2362, 0.4309, 0.4585



68.2362, 0.1746, 0.2838



68.2362, 0.3314, 0.2361

Complementary

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



68.2362, 0.4309, 0.4585



19.7161, 0.1869, 0.1434

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.



68.2362, 0.2505, 0.2079



68.2362, 0.4309, 0.4585



68.2362, 0.1702, 0.2268

Square

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



68.2362, 0.4309, 0.4585



68.2362, 0.2112, 0.3721



68.2362, 0.1955, 0.2034



68.2362, 0.4176, 0.2829

Rectangle

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



68.2362, 0.4309, 0.4585



68.2362, 0.3040, 0.4749



68.2362, 0.1955, 0.2034



68.2362, 0.3023, 0.2244

Sweetspot

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



68.2395, 0.4309, 0.4585



90.1536, 0.3466, 0.3713



26.3654, 0.4994, 0.2956



19.0403, 0.3514, 0.3770



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.



68.2395, 0.4309, 0.4585



67.8555, 0.4489, 0.4697



80.4889, 0.3716, 0.5079



19.5452, 0.3274, 0.3477



32.4876, 0.4614, 0.4719



3.1569, 0.4554, 0.4766

Inverse Universe

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



19.7161, 0.1869, 0.1434



14.2010, 0.1675, 0.1071



16.1917, 0.2066, 0.1196



17.2245, 0.2979, 0.3096



5.1142, 0.1557, 0.0806



0.6183, 0.1614, 0.1011

Previews

White Background



This preview shows how the Yxy color 68.2362, 0.4309, 0.4585 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 68.2362, 0.4309, 0.4585 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 68.2362, 0.4309, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 68.2362, 0.4309, 0.4585.



This preview shows how white text looks on a background with the Yxy color 68.2362, 0.4309, 0.4585.

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

68.2362, 0.4309, 0.4585

Protanopia

68.3343, 0.4221, 0.4642

Deuteranopia

68.1493, 0.4032, 0.4027



Tritanopia

67.9396, 0.3447, 0.3148

Trichromacy



Original Color

68.2362, 0.4309, 0.4585

Protanomaly

68.3558, 0.4251, 0.4619

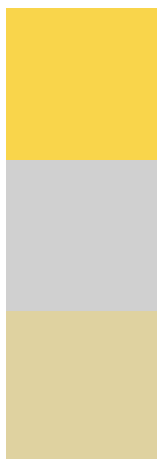
Deuteranomaly

68.1907, 0.4153, 0.4252

Tritanomaly

67.2256, 0.3820, 0.3720

Monochromacy



Original Color

68.2362, 0.4309, 0.4585

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.3192, 0.3589, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2362, 0.4309, 0.4585 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(249, 213, 75)` looks like.

```
.text, #text, p{  
    color:rgb(249, 213, 75)  
}
```

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(249, 213, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 213, 75) }
```

Border

The CSS property to change the border of an element to Yxy 68.2362, 0.4309, 0.4585 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(249, 213, 75) }
```

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

```
.border{ border-color:rgb(249, 213, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 213, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 213, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 213, 75);  
box-shadow:4px 4px 4px 4px rgb(249, 213,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2362, 0.4309, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 213, 75) }
```

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

```
.background{ background-color: rgb(249,  
213, 75) }
```

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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