

Converting Colors

$Yxy(68.8959, 0.4354, 0.4537)$

Have a look what the booklet for
Yxy(68.8959, 0.4354, 0.4537)
contains.

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Color

Yxy(68.8828, 0.4355, 0.4537)

Conversions

Conversions Part 1

Format	Color
Hex	FFD44D
RGB	255, 212, 77
RGB Percent	100%, 83%, 30%
CMY	0.0000, 0.1686, 0.6982
CMYK	0.00, 0.17, 0.70, 0.00
HSL	46°, 100%, 65%
HSV	46°, 70%, 100%
XYZ	66.1196, 68.8828, 16.8222
YIQ	209.4670, 68.9630, -32.8690

Conversions

Conversions Part 2

Format	Color
RYB	134, 255, 77
Decimal	16766029
CIELab	86.45, 1.45, 69.31
CIElCh	86, 69.329, 88.799
Yxy	68.8828, 0.4355, 0.4537
Android (android.graphics.Color)	4294956109 (0xFFFFD44D)
YUV	209.4670, -65.3062, 39.9324
Hunter-Lab	82.9957, -3.0380, 46.0796

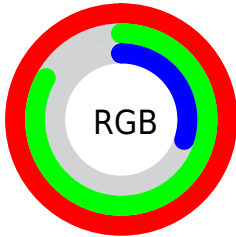
Details

The Yxy color **68.8828, 0.4355, 0.4537** 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 **22.2119, 0.1886, 0.1506**, and the grayscale version is **64.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **35.9340, 0.4558, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **65.5745, 0.4501, 0.4620**, and if you desaturate by 10%, it is **72.4562, 0.4186, 0.4411**.

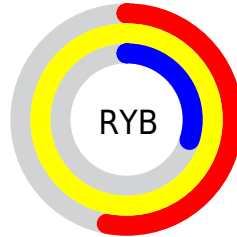
Distribution



Red (100%)

Green (83%)

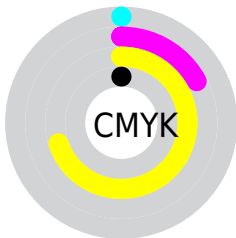
Blue (30%)



Red (53%)

Yellow (100%)

Blue (30%)

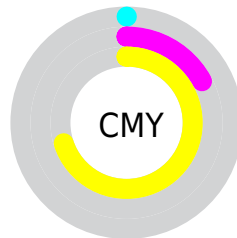


Cyan (0%)

Magenta (17%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8828, 0.4355, 0.4537 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 68.8828, 0.4355, 0.4537 by changing the saturation by 10% instead.


 68.8828, 0.4355,
0.4537

 68.8828, 0.4355,
0.4537


456.6175, 0.3830,
0.4009


 50.6163, 0.4454,
0.4635


 117.6142, 0.4188,
0.4370

 35.9033, 0.4563,
0.4742


 148.8478, 0.4118,
0.4300


 24.3595, 0.4679,
0.4855


 185.1726, 0.4056,
0.4237

 15.6005, 0.4796,
0.4965

 226.9729, 0.4001,
0.4182

 9.2419, 0.4921,
0.5079

 274.6331, 0.3951,
0.4132

 4.8993, 0.4932,
0.5068

328.5377, 0.3907,

 2.1883, 0.4951,

0.4086

0.5049

389.0711, 0.3867,
0.4046

0.7136, 0.5000,
0.5000

0.0000, 0.0000,
0.0000

68.8828, 0.4355,
0.4537

68.8828, 0.4355,
0.4537

65.5745, 0.4501,
0.4620

72.4562, 0.4186,
0.4411

62.5023, 0.4618,
0.4655

76.3006, 0.4004,
0.4250

59.6403, 0.4706,
0.4645

80.4336, 0.3815,
0.4067

59.5907, 0.4708,
0.4644

84.8679, 0.3629,
0.3871

■ 89.6152, 0.3449,
0.3672

■ 94.6865, 0.3280,
0.3475

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



68.8828, 0.4767, 0.3967



68.8828, 0.4355, 0.4537



68.8828, 0.3648, 0.4859

Triad

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



68.8828, 0.4355, 0.4537



68.8828, 0.1772, 0.2907



68.8828, 0.3238, 0.2334

Complementary

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



68.8828, 0.4355, 0.4537



22.2119, 0.1886, 0.1506

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.



68.8828, 0.2451, 0.2072



68.8828, 0.4355, 0.4537



68.8828, 0.1701, 0.2309

Square

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



68.8828, 0.4355, 0.4537



68.8828, 0.2164, 0.3800



68.8828, 0.1928, 0.2049



68.8828, 0.4103, 0.2787

Rectangle

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



68.8828, 0.4355, 0.4537



68.8828, 0.3110, 0.4772



68.8828, 0.1928, 0.2049



68.8828, 0.2953, 0.2223

Sweetspot

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



68.8861, 0.4355, 0.4537



89.0456, 0.3470, 0.3695



27.9512, 0.4911, 0.2898



18.7742, 0.3519, 0.3750



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.



68.8861, 0.4355, 0.4537



64.2676, 0.4553, 0.4641



85.8226, 0.3757, 0.5053



20.3039, 0.3275, 0.3469



31.3841, 0.4697, 0.4652



3.2251, 0.4627, 0.4708

Inverse Universe

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



22.2119, 0.1886, 0.1506



15.4303, 0.1695, 0.1146



16.6188, 0.2024, 0.1174



18.0897, 0.2979, 0.3104



5.7399, 0.1575, 0.0868



0.7201, 0.1632, 0.1073

Previews

White Background



This preview shows how the Yxy color 68.8828, 0.4355, 0.4537 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 68.8828, 0.4355, 0.4537 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 68.8828, 0.4355, 0.4537

Background



This preview shows how black text looks on a background with the Yxy color 68.8828, 0.4355, 0.4537.



This preview shows how white text looks on a background with the Yxy color 68.8828, 0.4355, 0.4537.

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

68.8828, 0.4355, 0.4537

Protanopia

69.0530, 0.4213, 0.4632

Deuteranopia

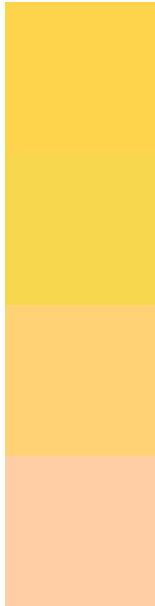
68.7544, 0.3999, 0.3998



Tritanopia

68.8269, 0.3451, 0.3179

Trichromacy



Original Color

68.8828, 0.4355, 0.4537

Protanomaly

68.9251, 0.4266, 0.4592

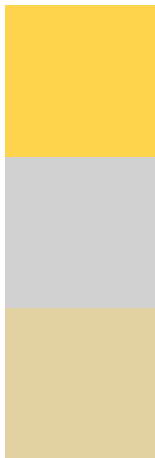
Deuteranomaly

68.6375, 0.4150, 0.4220

Tritanomaly

68.0829, 0.3833, 0.3727

Monochromacy



Original Color

68.8828, 0.4355, 0.4537

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.8351, 0.3607, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8828, 0.4355, 0.4537 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, 212, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 77)  
}
```

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, 212, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 77) }
```

Border

The CSS property to change the border of an element to Yxy 68.8828, 0.4355, 0.4537 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, 212, 77) }
```

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

```
.border{ border-color:rgb(255, 212, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8828, 0.4355, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 77) }
```

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

```
.background{ background-color: rgb(255,  
212, 77) }
```

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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