

Converting Colors

$Y_{xy}(73.9283, 0.4522, 0.4459)$

Have a look what the booklet for
Yxy(73.9283, 0.4522, 0.4459)
contains.

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Color

Yxy(69.3565, 0.4356, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	FFD54B
RGB	255, 213, 75
RGB Percent	100%, 84%, 29%
CMY	0.0001, 0.1646, 0.7060
CMYK	0.00, 0.16, 0.71, 0.00
HSL	46°, 100%, 65%
HSV	46°, 71%, 100%
XYZ	66.2973, 69.3565, 16.5439
YIQ	209.8260, 69.3300, -34.0140

Conversions

Conversions Part 2

Format	Color
RYB	130, 255, 75
Decimal	16766283
CIELab	86.68, 0.84, 70.31
CIElCh	87, 70.318, 89.316
Yxy	69.3565, 0.4356, 0.4557
Android (android.graphics.Color)	4294956363 (0xFFFFD54B)
YUV	209.8260, -66.4692, 39.6176
Hunter-Lab	83.2805, -3.6421, 46.5183

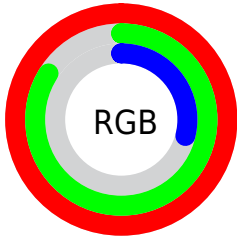
Details

The Yxy color **69.3565, 0.4356, 0.4557** 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 **21.4205, 0.1870, 0.1467**, and the grayscale version is **64.7381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **36.2656, 0.4554, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **66.1421, 0.4496, 0.4638**, and if you desaturate by 10%, it is **72.8270, 0.4192, 0.4432**.

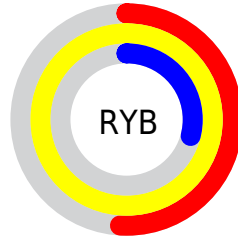
Distribution



Red (100%)

Green (84%)

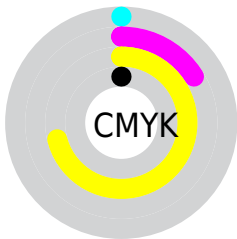
Blue (29%)



Red (51%)

Yellow (100%)

Blue (29%)

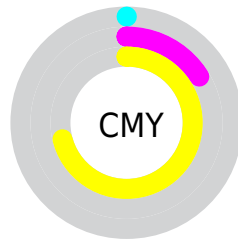


Cyan (0%)

Magenta (16%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3565, 0.4356, 0.4557 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 69.3565, 0.4356, 0.4557 by changing the saturation by 10% instead.


 69.3565, 0.4356,
0.4557


 69.3565, 0.4356,
0.4557


458.2873, 0.3834,
0.4021

 51.0021, 0.4454,
0.4656

 118.2906, 0.4191,
0.4388


 36.2103, 0.4561,
0.4764


 149.6391, 0.4121,
0.4317

 24.5966, 0.4673,
0.4878


 186.0878, 0.4059,
0.4254

 15.7768, 0.4786,
0.4989

 228.0210, 0.4004,
0.4197

 9.3663, 0.4901,
0.5099

 275.8232, 0.3955,
0.4146

 4.9809, 0.4907,
0.5093

329.8787, 0.3910,

 2.2361, 0.4918,

0.4100

0.5082

390.5719, 0.3870,
0.4059

0.7395, 0.4945,
0.5055

0.0000, 0.0000,
0.0000

69.3565, 0.4356,
0.4557

69.3565, 0.4356,
0.4557

66.1421, 0.4496,
0.4638

72.8270, 0.4192,
0.4432


63.1547, 0.4608,
0.4670

76.5595, 0.4013,
0.4273

60.5278, 0.4687,
0.4661

80.5717, 0.3827,
0.4090

84.8761, 0.3641,
0.3893

 89.4846, 0.3462,
0.3691

 94.4079, 0.3293,
0.3493

99.6562, 0.3136,
0.3301

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



69.3565, 0.4781, 0.3981



69.3565, 0.4356, 0.4557



69.3565, 0.3637, 0.4879

Triad

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



69.3565, 0.4356, 0.4557



69.3565, 0.1755, 0.2887



69.3565, 0.3254, 0.2331

Complementary

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



69.3565, 0.4356, 0.4557



21.4205, 0.1870, 0.1467

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.



69.3565, 0.2455, 0.2063



69.3565, 0.4356, 0.4557



69.3565, 0.1689, 0.2290

Square

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



69.3565, 0.4356, 0.4557



69.3565, 0.2143, 0.3789



69.3565, 0.1923, 0.2035



69.3565, 0.4128, 0.2790

Rectangle

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



69.3565, 0.4356, 0.4557



69.3565, 0.3094, 0.4785



69.3565, 0.1923, 0.2035



69.3565, 0.2965, 0.2218

Sweetspot

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



69.3598, 0.4356, 0.4557



89.3106, 0.3469, 0.3699



27.5679, 0.4985, 0.2927



18.8378, 0.3518, 0.3755



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.



69.3598, 0.4356, 0.4557



64.8125, 0.4549, 0.4658



85.2749, 0.3739, 0.5081



20.3305, 0.3275, 0.3471



31.8729, 0.4677, 0.4668



3.2690, 0.4610, 0.4722

Inverse Universe

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



21.4205, 0.1870, 0.1467



14.7445, 0.1680, 0.1105



16.4561, 0.2031, 0.1164



18.0648, 0.2979, 0.3102



5.6177, 0.1570, 0.0852



0.7051, 0.1626, 0.1055

Previews

White Background



This preview shows how the Yxy color 69.3565, 0.4356, 0.4557 looks on a white background.

Color Contrast Check

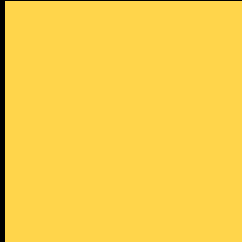
Large Text (above 18pt) WCAG AA × Fail

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 69.3565, 0.4356, 0.4557 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 69.3565, 0.4356, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 69.3565, 0.4356, 0.4557.



This preview shows how white text looks on a background with the Yxy color 69.3565, 0.4356, 0.4557.

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

69.3565, 0.4356, 0.4557

Protanopia

69.7193, 0.4222, 0.4648

Deuteranopia

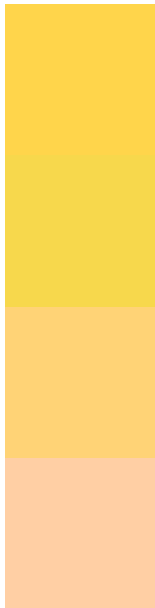
69.3364, 0.3973, 0.3978



Tritanopia

69.3520, 0.3442, 0.3179

Trichromacy



Original Color

69.3565, 0.4356, 0.4557

Protanomaly

69.4077, 0.4268, 0.4613

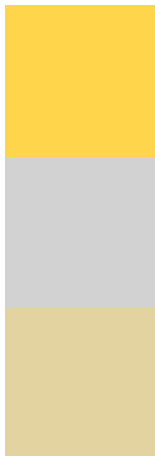
Deuteranomaly

69.1565, 0.4138, 0.4220

Tritanomaly

68.5660, 0.3829, 0.3737

Monochromacy



Original Color

69.3565, 0.4356, 0.4557

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.3305, 0.3604, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3565, 0.4356, 0.4557 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, 213, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 213, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 75) }
```

Border

The CSS property to change the border of an element to Yxy 69.3565, 0.4356, 0.4557 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, 213, 75) }
```

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

```
.border{ border-color:rgb(255, 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(255, 213, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3565, 0.4356, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 75) }
```

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

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