

Converting Colors

$Yxy(69.9729, 0.4328, 0.4537)$

Have a look what the booklet for
Yxy(69.9729, 0.4328, 0.4537)
contains.

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Color

Yxy(69.9323, 0.4327, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	FFD650
RGB	255, 214, 80
RGB Percent	100%, 84%, 31%
CMY	0.0000, 0.1608, 0.6863
CMYK	0.00, 0.16, 0.69, 0.00
HSL	46°, 100%, 66%
HSV	46°, 69%, 100%
XYZ	66.7395, 69.9323, 17.5679
YIQ	210.9830, 67.4500, -32.9820

Conversions

Conversions Part 2

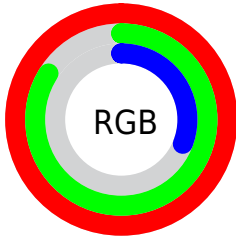
Format	Color
RYB	134, 255, 80
Decimal	16766544
CIELab	86.96, 0.60, 68.64
CIELCh	87, 68.646, 89.497
Yxy	69.9323, 0.4327, 0.4534
Android (android.graphics.Color)	4294956624 (0xFFFFD650)
YUV	210.9830, -64.5746, 38.6029
Hunter-Lab	83.6255, -3.8881, 46.0823

Details

The Yxy color **69.9323, 0.4327, 0.4534** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **22.5982, 0.1901, 0.1524**, and the grayscale version is **65.5296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **36.6400, 0.4523, 0.4749** is the 20% darker color. If you saturate the color by 10%, you get **66.6553, 0.4473, 0.4624**, and if you desaturate by 10%, it is **73.4627, 0.4159, 0.4402**.

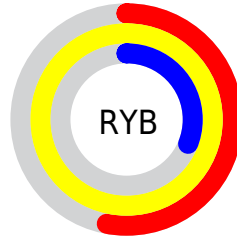
Distribution



Red (100%)

Green (84%)

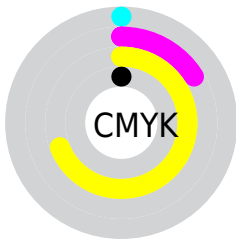
Blue (31%)



Red (53%)

Yellow (100%)

Blue (31%)

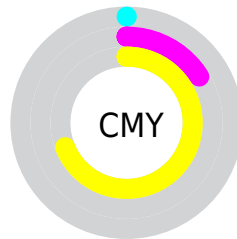


Cyan (0%)

Magenta (16%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9323, 0.4327, 0.4534 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 69.9323, 0.4327, 0.4534 by changing the saturation by 10% instead.


 69.9323, 0.4327,
0.4534


 69.9323, 0.4327,
0.4534


460.3123, 0.3815,
0.4005


 51.4713, 0.4424,
0.4633


 119.1122, 0.4164,
0.4366


 36.5839, 0.4531,
0.4743


 150.5999, 0.4096,
0.4296

 24.8855, 0.4645,
0.4859


 187.1987, 0.4035,
0.4233

 15.9917, 0.4759,
0.4973

 229.2930, 0.3981,
0.4177

 9.5183, 0.4893,
0.5107

 277.2670, 0.3933,
0.4127

 5.0808, 0.4897,
0.5103

331.5054, 0.3890,

 2.2947, 0.4905,

0.4082

0.5095

392.3923, 0.3850,
0.4042

0.7709, 0.4923,
0.5077

0.0000, 0.0000,
0.0000

69.9323, 0.4327,
0.4534

69.9323, 0.4327,
0.4534

66.6553, 0.4473,
0.4624

73.4627, 0.4159,
0.4402

63.6140, 0.4591,
0.4665

77.2629, 0.3977,
0.4237

60.7825, 0.4679,
0.4661

81.3463, 0.3790,
0.4051

60.4065, 0.4690,
0.4658

85.7256, 0.3605,
0.3852

■ 90.4124, 0.3428,
0.3651

■ 95.4172, 0.3261,
0.3454

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



69.9323, 0.4741, 0.3976



69.9323, 0.4327, 0.4534



69.9323, 0.3625, 0.4837

Triad

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



69.9323, 0.4327, 0.4534



69.9323, 0.1784, 0.2896



69.9323, 0.3257, 0.2354

Complementary

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



69.9323, 0.4327, 0.4534



22.5982, 0.1901, 0.1524

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.



69.9323, 0.2476, 0.2090



69.9323, 0.4327, 0.4534



69.9323, 0.1720, 0.2313

Square

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



69.9323, 0.4327, 0.4534



69.9323, 0.2165, 0.3771



69.9323, 0.1952, 0.2062



69.9323, 0.4107, 0.2806

Rectangle

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



69.9323, 0.4327, 0.4534



69.9323, 0.3094, 0.4739



69.9323, 0.1952, 0.2062



69.9323, 0.2975, 0.2243

Sweetspot

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



69.9321, 0.4327, 0.4534



89.2734, 0.3469, 0.3699



28.4450, 0.4864, 0.2899



18.8289, 0.3518, 0.3754



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.



69.9321, 0.4327, 0.4534



65.6052, 0.4516, 0.4643



85.9846, 0.3753, 0.5030



20.3268, 0.3275, 0.3471



31.8039, 0.4680, 0.4666



3.2628, 0.4612, 0.4720

Inverse Universe

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



22.5982, 0.1901, 0.1524



15.9627, 0.1714, 0.1176



17.2223, 0.2044, 0.1206



18.0683, 0.2979, 0.3102



5.6346, 0.1571, 0.0854



0.7071, 0.1627, 0.1057

Previews

White Background



This preview shows how the Yxy color 69.9323, 0.4327, 0.4534 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 69.9323, 0.4327, 0.4534 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 69.9323, 0.4327, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 69.9323, 0.4327, 0.4534.



This preview shows how white text looks on a background with the Yxy color 69.9323, 0.4327, 0.4534.

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

69.9323, 0.4327, 0.4534

Protanopia

69.7916, 0.4200, 0.4615

Deuteranopia

69.9239, 0.3947, 0.3958



Tritanopia

69.8805, 0.3433, 0.3179

Trichromacy



Original Color

69.9323, 0.4327, 0.4534

Protanomaly

69.9939, 0.4239, 0.4589

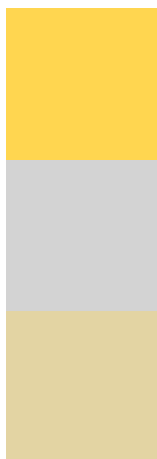
Deuteranomaly

69.7521, 0.4106, 0.4194

Tritanomaly

69.1618, 0.3803, 0.3716

Monochromacy



Original Color

69.9323, 0.4327, 0.4534

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.0622, 0.3594, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9323, 0.4327, 0.4534 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, 214, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 80)  
}
```

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, 214, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 80) }
```

Border

The CSS property to change the border of an element to Yxy 69.9323, 0.4327, 0.4534 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, 214, 80) }
```

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

```
.border{ border-color:rgb(255, 214, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9323, 0.4327, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 80) }
```

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

```
.background{ background-color: rgb(255,  
214, 80) }
```

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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