

Converting Colors

$Yxy(67.2762, 0.4462, 0.4633)$

Have a look what the booklet for
Yxy(67.2762, 0.4462, 0.4633)
contains.

Yxy(67.1368, 0.4463, 0.4629)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.1368, 0.4463, 0.4629)

Conversions

Conversions Part 1

Format	Color
Hex	FFD137
RGB	255, 209, 55
RGB Percent	100%, 82%, 22%
CMY	0.0000, 0.1804, 0.7841
CMYK	0.00, 0.18, 0.78, 0.00
HSL	46°, 100%, 61%
HSV	46°, 78%, 100%
XYZ	64.7292, 67.1368, 13.1692
YIQ	205.1980, 76.8500, -38.1420

Conversions

Conversions Part 2

Format	Color
R _Y B	115, 255, 55
Decimal	16765239
CIE Lab	85.57, 2.09, 76.22
CIE LCh	86, 76.247, 88.430
Yxy	67.1368, 0.4463, 0.4629
Android (android.graphics.Color)	4294955319 (0xFFFFD137)
YUV	205.1980, -74.0476, 43.6764
Hunter-Lab	81.9370, -2.3771, 47.8266

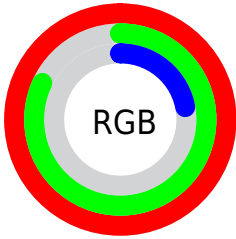
Details

The Yxy color **67.1368, 0.4463, 0.4629** 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 **17.3507, 0.1756, 0.1255**, and the grayscale version is **61.6332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **34.9120, 0.4601, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **64.1298, 0.4580, 0.4672**, and if you desaturate by 10%, it is **70.3825, 0.4318, 0.4538**.

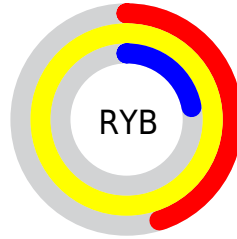
Distribution



Red (100%)

Green (82%)

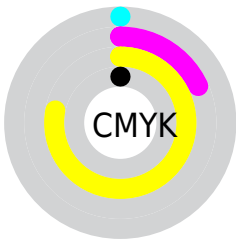
Blue (22%)



Red (45%)

Yellow (100%)

Blue (22%)

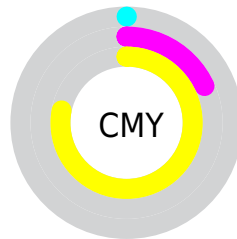


Cyan (0%)

Magenta (18%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1368, 0.4463, 0.4629 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 67.1368, 0.4463, 0.4629 by changing the saturation by 10% instead.

 67.1368, 0.4463,
0.4629


 67.1368, 0.4463,
0.4629


450.4316, 0.3904,
0.4076


 49.1958, 0.4563,
0.4725


 115.1164, 0.4289,
0.4459


 34.7748, 0.4669,
0.4826


 145.9238, 0.4215,
0.4386


 23.4895, 0.4776,
0.4924


 181.7888, 0.4149,
0.4321

 14.9554, 0.4904,
0.5040

 223.0958, 0.4089,
0.4261

 8.7881, 0.4943,
0.5057

 270.2292, 0.4036,
0.4208

 4.6032, 0.4960,
0.5040

323.5733, 0.3987,

 2.0164, 0.4987,

0.4160

0.5013

383.5127, 0.3944,
0.4116

0.6170, 0.5081,
0.4919

0.0000, 0.0000,
0.0000

67.1368, 0.4463,
0.4629

67.1368, 0.4463,
0.4629

64.1298, 0.4580,
0.4672

70.3825, 0.4318,
0.4538


61.3266, 0.4666,
0.4669


73.8752, 0.4151,
0.4404

60.8932, 0.4679,
0.4667

77.6338, 0.3970,
0.4238

81.6720, 0.3784,
0.4050

 86.0023, 0.3600,
0.3851

 90.6360, 0.3423,
0.3649

 95.5840, 0.3257,
0.3450

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



67.1368, 0.4928, 0.3991



67.1368, 0.4463, 0.4629



67.1368, 0.3686, 0.5028

Triad

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



67.1368, 0.4463, 0.4629



67.1368, 0.1652, 0.2863



67.1368, 0.3231, 0.2244

Complementary

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



67.1368, 0.4463, 0.4629



17.3507, 0.1756, 0.1255

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.



67.1368, 0.2373, 0.1966



67.1368, 0.4463, 0.4629



67.1368, 0.1579, 0.2213

Square

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



67.1368, 0.4463, 0.4629



67.1368, 0.2071, 0.3867



67.1368, 0.1817, 0.1940



67.1368, 0.4195, 0.2727

Rectangle

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



67.1368, 0.4463, 0.4629



67.1368, 0.3100, 0.4958



67.1368, 0.1817, 0.1940



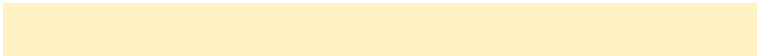
67.1368, 0.2918, 0.2126

Sweetspot

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



67.1401, 0.4463, 0.4629



88.0116, 0.3521, 0.3762



24.9509, 0.5300, 0.2939



18.4903, 0.3585, 0.3834



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.



67.1401, 0.4463, 0.4629



62.5430, 0.4631, 0.4676



84.3030, 0.3755, 0.5213



20.3405, 0.3275, 0.3472



32.0578, 0.4669, 0.4674



3.2856, 0.4604, 0.4727

Inverse Universe

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



17.3507, 0.1756, 0.1255



11.7586, 0.1599, 0.0918



13.1703, 0.1905, 0.0978



18.0555, 0.2979, 0.3101



5.5731, 0.1568, 0.0846



0.6995, 0.1625, 0.1048

Previews

White Background



This preview shows how the Yxy color 67.1368, 0.4463, 0.4629 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 67.1368, 0.4463, 0.4629 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 67.1368, 0.4463, 0.4629

Background



This preview shows how black text looks on a background with the Yxy color 67.1368, 0.4463, 0.4629.



This preview shows how white text looks on a background with the Yxy color 67.1368, 0.4463, 0.4629.

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

67.1368, 0.4463, 0.4629

Protanopia

67.4117, 0.4295, 0.4751

Deuteranopia

66.9349, 0.4106, 0.4093



Tritanopia

66.8100, 0.3482, 0.3168

Trichromacy



Original Color

67.1368, 0.4463, 0.4629

Protanomaly

67.2865, 0.4350, 0.4709

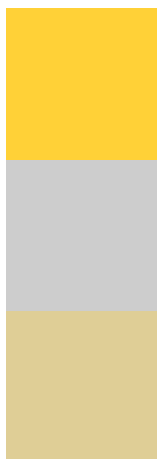
Deuteranomaly

66.8252, 0.4266, 0.4326

Tritanomaly

66.3050, 0.3921, 0.3800

Monochromacy



Original Color

67.1368, 0.4463, 0.4629

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.0326, 0.3676, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1368, 0.4463, 0.4629 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, 209, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 55)  
}
```

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, 209, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 55) }
```

Border

The CSS property to change the border of an element to Yxy 67.1368, 0.4463, 0.4629 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, 209, 55) }
```

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

```
.border{ border-color:rgb(255, 209, 55) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1368, 0.4463, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 55) }
```

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

```
.background{ background-color: rgb(255,  
209, 55) }
```

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