

Converting Colors

$Y_{xy}(67.1265, 0.4158, 0.4530)$

Have a look what the booklet for
Yxy(67.1265, 0.4158, 0.4530)
contains.

Yxy(67.3566, 0.4161, 0.4533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.3566, 0.4161, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	F0D65A
RGB	240, 214, 90
RGB Percent	94%, 84%, 35%
CMY	0.0588, 0.1608, 0.6472
CMYK	0.00, 0.11, 0.63, 0.06
HSL	50°, 83%, 65%
HSV	50°, 63%, 94%
XYZ	61.8290, 67.3566, 19.4061
YIQ	207.6380, 55.3000, -33.0520

Conversions

Conversions Part 2

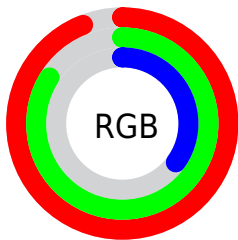
Format	Color
RYB	121, 240, 90
Decimal	15783514
CIELab	85.68, -5.06, 62.76
CIELCh	86, 62.968, 94.608
Yxy	67.3566, 0.4161, 0.4533
Android (android.graphics.Color)	4293973594 (0xFFFF0D65A)
YUV	207.6380, -57.9955, 28.3815
Hunter-Lab	82.0711, -9.1498, 43.4304

Details

The Yxy color **67.3566, 0.4161, 0.4533** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **20.9479, 0.1980, 0.1584**, and the grayscale version is **63.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **35.0752, 0.4340, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **64.9361, 0.4299, 0.4659**, and if you desaturate by 10%, it is **69.9692, 0.4003, 0.4371**.

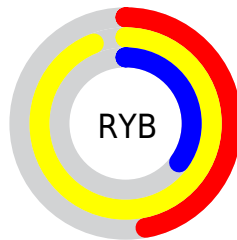
Distribution



Red (94%)

Green (84%)

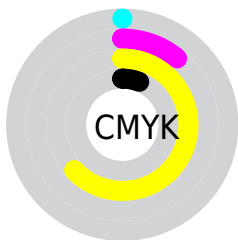
Blue (35%)



Red (47%)

Yellow (94%)

Blue (35%)

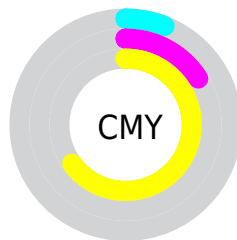


Cyan (0%)

Magenta (11%)

Yellow (63%)

Black (6%)



Cyan (6%)


Magenta (16%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3566, 0.4161, 0.4533 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 67.3566, 0.4161, 0.4533 by changing the saturation by 10% instead.


 67.3566, 0.4161,
0.4533


 67.3566, 0.4161,
0.4533


451.2130, 0.3715,
0.3981


 49.3745, 0.4247,
0.4644

 115.4312, 0.4017,
0.4352


 34.9166, 0.4343,
0.4772


 146.2925, 0.3958,
0.4278

 23.5987, 0.4446,
0.4916


 182.2157, 0.3905,
0.4213

 15.0362, 0.4549,
0.5070

 223.5851, 0.3859,
0.4155

 8.8448, 0.4701,
0.5299

270.7851, 0.3817,
0.4104

 4.6401, 0.4659,
0.5341

324.2002, 0.3779,

 2.0377, 0.4591,

0.4059

384.2147, 0.3745,
0.4018

0.5409

0.6292, 0.4299,
0.5701

0.0000, 0.0000,
0.0000

67.3566, 0.4161,
0.4533

67.3566, 0.4161,
0.4533

64.9361, 0.4299,
0.4659

69.9692, 0.4003,
0.4371

62.6844, 0.4412,
0.4740


72.7761, 0.3834,
0.4181

60.5884, 0.4496,
0.4774


75.7911, 0.3660,
0.3974

59.1032, 0.4543,
0.4775


79.0240, 0.3487,
0.3761

 82.4837, 0.3321,
0.3548

 86.1785, 0.3165,
0.3341

 89.9233, 0.3037,
0.3173

 92.4434, 0.3036,
0.3214

 95.0203, 0.3036,
0.3255

Harmonies

Analogous

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



67.3566, 0.4599, 0.4044



67.3566, 0.4161, 0.4533



67.3566, 0.3478, 0.4724

Triad

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



67.3566, 0.4161, 0.4533



67.3566, 0.1834, 0.2815



67.3566, 0.3389, 0.2473

Complementary

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



67.3566, 0.4161, 0.4533



20.9479, 0.1980, 0.1584

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.



67.3566, 0.2631, 0.2188



67.3566, 0.4161, 0.4533



67.3566, 0.1820, 0.2317

Square

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



67.3566, 0.4161, 0.4533



67.3566, 0.2148, 0.3592



67.3566, 0.2088, 0.2123



67.3566, 0.4155, 0.2926

Rectangle

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



67.3566, 0.4161, 0.4533



67.3566, 0.2980, 0.4556



67.3566, 0.2088, 0.2123



67.3566, 0.3122, 0.2356

Sweetspot

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



67.3598, 0.4161, 0.4533



92.0214, 0.3429, 0.3687



27.1289, 0.4764, 0.3017



19.4574, 0.3477, 0.3748



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.



67.3598, 0.4161, 0.4533



73.7902, 0.4333, 0.4685



74.3362, 0.3650, 0.4945



17.9656, 0.3273, 0.3484



32.5248, 0.4536, 0.4780



2.8271, 0.4483, 0.4822

Inverse Universe

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



20.9479, 0.1980, 0.1584



16.8325, 0.1771, 0.1221



18.9569, 0.2234, 0.1422



15.6715, 0.2980, 0.3089



4.4675, 0.1543, 0.0756



0.4976, 0.1603, 0.0971

Previews

White Background



This preview shows how the Yxy color 67.3566, 0.4161, 0.4533 looks on a white background.

Color Contrast Check

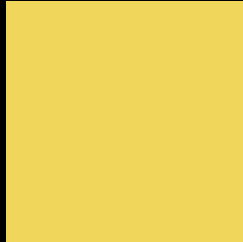
Large Text (above 18pt) WCAG AA × Fail

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 67.3566, 0.4161, 0.4533 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 67.3566, 0.4161, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 67.3566, 0.4161, 0.4533.

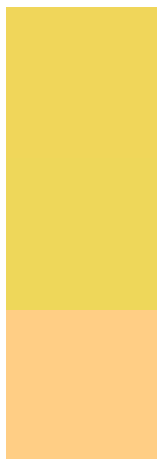


This preview shows how white text looks on a background with the Yxy color 67.3566, 0.4161, 0.4533.

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

67.3566, 0.4161, 0.4533

Protanopia

67.5162, 0.4138, 0.4550

Deuteranopia

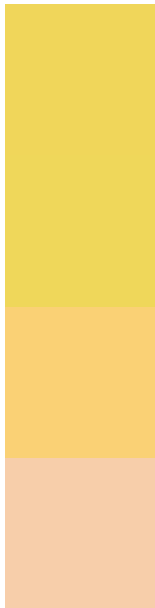
67.0961, 0.4064, 0.4037



Tritanopia

67.2404, 0.3408, 0.3136

Trichromacy



Original Color

67.3566, 0.4161, 0.4533

Protanomaly

67.6898, 0.4146, 0.4545

Deuteranomaly

67.2093, 0.4115, 0.4227

Tritanomaly

66.8190, 0.3722, 0.3674

Monochromacy



Original Color

67.3566, 0.4161, 0.4533

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.0254, 0.3529, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3566, 0.4161, 0.4533 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(240, 214, 90)` looks like.

```
.text, #text, p{  
    color:rgb(240, 214, 90)  
}
```

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(240, 214, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 214, 90) }
```

Border

The CSS property to change the border of an element to Yxy 67.3566, 0.4161, 0.4533 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(240, 214, 90) }
```

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

```
.border{ border-color:rgb(240, 214, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 214, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 214, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 214, 90);  
box-shadow:4px 4px 4px 4px rgb(240, 214,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3566, 0.4161, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 214, 90) }
```

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

```
.background{ background-color: rgb(240,  
214, 90) }
```

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