

Converting Colors

Yxy(67.5146, 0.4480, 0.4670)

Have a look what the booklet for
Yxy(67.5146, 0.4480, 0.4670)
contains.

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Color

Yxy(67.5584, 0.4479, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	FFD22F
RGB	255, 210, 47
RGB Percent	100%, 82%, 18%
CMY	0.0001, 0.1764, 0.8158
CMYK	0.00, 0.18, 0.82, 0.00
HSL	47°, 100%, 59%
HSV	47°, 82%, 100%
XYZ	64.7953, 67.5584, 12.3110
YIQ	204.8730, 79.1430, -41.1530

Conversions

Conversions Part 2

Format	Color
RYB	104, 255, 47
Decimal	16765487
CIELab	85.79, 1.32, 78.78
CIELCh	86, 78.792, 89.037
Yxy	67.5584, 0.4479, 0.4670
Android (android.graphics.Color)	4294955567 (0xFFFFD22F)
YUV	204.8730, -77.8314, 43.9614
Hunter-Lab	82.1939, -3.1238, 48.6553

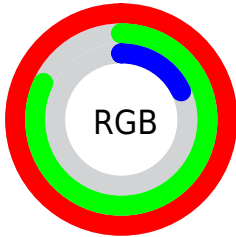
Details

The Yxy color **67.5584, 0.4479, 0.4670** 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 **15.4680, 0.1708, 0.1147**, and the grayscale version is **61.4318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **35.2463, 0.4589, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **64.7369, 0.4581, 0.4700**, and if you desaturate by 10%, it is **70.6003, 0.4348, 0.4591**.

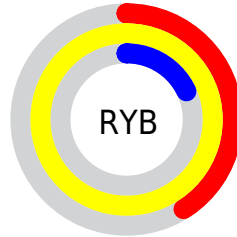
Distribution



Red (100%)

Green (82%)

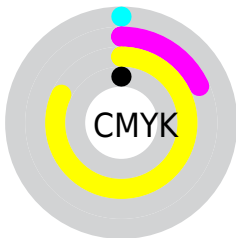
Blue (18%)



Red (41%)

Yellow (100%)

Blue (18%)

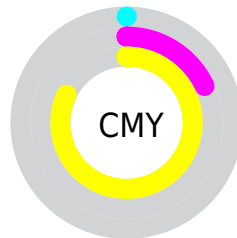


Cyan (0%)

Magenta (18%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5584, 0.4479, 0.4670 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 67.5584, 0.4479, 0.4670 by changing the saturation by 10% instead.


 67.5584, 0.4479,
0.4670


 67.5584, 0.4479,
0.4670


451.9298, 0.3920,
0.4105

 49.5386, 0.4576,
0.4767


 115.7202, 0.4308,
0.4498


 35.0469, 0.4678,
0.4867


 146.6309, 0.4234,
0.4423

 23.6990, 0.4778,
0.4963


 182.6074, 0.4167,
0.4356

 15.1105, 0.4908,
0.5088

 224.0340, 0.4108,
0.4295

 8.8970, 0.4917,
0.5083

 271.2952, 0.4053,
0.4241

 4.6740, 0.4928,
0.5072

324.7752, 0.4005,

 2.0573, 0.4945,

0.4191

0.5055

384.8587, 0.3960,
0.4146

■ 0.6405, 0.5002,
0.4998

■ 0.0000, 0.0000,
0.0000

■ 67.5584, 0.4479,
0.4670

■ 67.5584, 0.4479,
0.4670

■ 64.7369, 0.4581,
0.4700


■ 70.6003, 0.4348,
0.4591

■ 62.4993, 0.4645,
0.4694


■ 73.8717, 0.4192,
0.4468


■ 77.3921, 0.4019,
0.4309

■ 81.1755, 0.3838,
0.4124

 85.2345, 0.3655,
0.3925

 89.5807, 0.3477,
0.3720

 94.2249, 0.3308,
0.3517

 99.1769, 0.3151,
0.3320

 99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



67.5584, 0.4971, 0.4012



67.5584, 0.4479, 0.4670



67.5584, 0.3675, 0.5084

Triad

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



67.5584, 0.4479, 0.4670



67.5584, 0.1610, 0.2828



67.5584, 0.3252, 0.2226

Complementary

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



67.5584, 0.4479, 0.4670



15.4680, 0.1708, 0.1147

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.



67.5584, 0.2366, 0.1937



67.5584, 0.4479, 0.4670



67.5584, 0.1544, 0.2172

Square

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



67.5584, 0.4479, 0.4670



67.5584, 0.2027, 0.3862



67.5584, 0.1793, 0.1903



67.5584, 0.4246, 0.2722

Rectangle

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



67.5584, 0.4479, 0.4670



67.5584, 0.3075, 0.5009



67.5584, 0.1793, 0.1903



67.5584, 0.2929, 0.2104

Sweetspot

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



67.5617, 0.4479, 0.4670



88.5125, 0.3520, 0.3770



24.0617, 0.5475, 0.2982



18.6121, 0.3583, 0.3843



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.



67.5617, 0.4479, 0.4670



63.0309, 0.4630, 0.4696



83.4578, 0.3733, 0.5276



20.3849, 0.3275, 0.3475



32.8900, 0.4636, 0.4701



3.3600, 0.4576, 0.4749

Inverse Universe

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



15.4680, 0.1708, 0.1147



10.3941, 0.1567, 0.0827



12.3089, 0.1880, 0.0926



18.0142, 0.2979, 0.3098



5.3827, 0.1562, 0.0821



0.6756, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 67.5584, 0.4479, 0.4670 looks on a white background.

Color Contrast Check

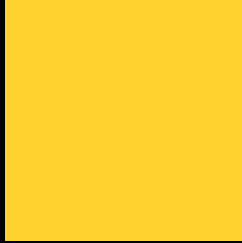
Large Text (above 18pt) WCAG AA × Fail

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 67.5584, 0.4479, 0.4670 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 67.5584, 0.4479, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 67.5584, 0.4479, 0.4670.



This preview shows how white text looks on a background with the Yxy color 67.5584, 0.4479, 0.4670.

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

67.5584, 0.4479, 0.4670

Protanopia

67.5150, 0.4327, 0.4780

Deuteranopia

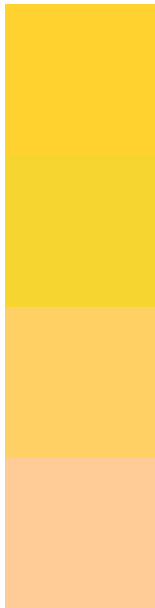
67.4706, 0.4086, 0.4084



Tritanopia

67.3220, 0.3472, 0.3168

Trichromacy



Original Color

67.5584, 0.4479, 0.4670

Protanomaly

67.3947, 0.4382, 0.4738

Deuteranomaly

67.2726, 0.4271, 0.4351

Tritanomaly

66.7127, 0.3933, 0.3830

Monochromacy



Original Color

67.5584, 0.4479, 0.4670

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.4517, 0.3687, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5584, 0.4479, 0.4670 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, 210, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 47)  
}
```

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, 210, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 47) }
```

Border

The CSS property to change the border of an element to Yxy 67.5584, 0.4479, 0.4670 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, 210, 47) }
```

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

```
.border{ border-color:rgb(255, 210, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5584, 0.4479, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 47) }
```

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

```
.background{ background-color: rgb(255,  
210, 47) }
```

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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