

Converting Colors

Yxy(67.5350, 0.4487, 0.4681)

Have a look what the booklet for
Yxy(67.5350, 0.4487, 0.4681)
contains.

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Color

Yxy(67.5350, 0.4487, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	FFD22C
RGB	255, 210, 44
RGB Percent	100%, 82%, 17%
CMY	0.0001, 0.1764, 0.8275
CMYK	0.00, 0.18, 0.83, 0.00
HSL	47°, 100%, 59%
HSV	47°, 83%, 100%
XYZ	64.7361, 67.5350, 12.0037
YIQ	204.5310, 80.1060, -42.0860

Conversions

Conversions Part 2

Format	Color
RYB	101, 255, 44
Decimal	16765484
CIELab	85.77, 1.24, 79.57
CIElCh	86, 79.582, 89.107
Yxy	67.5350, 0.4487, 0.4681
Android (android.graphics.Color)	4294955564 (0xFFFFD22C)
YUV	204.5310, -79.1418, 44.2613
Hunter-Lab	82.1797, -3.2032, 48.8655

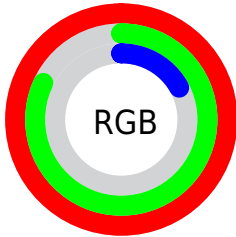
Details

The Yxy color **67.5350, 0.4487, 0.4681** 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 **14.8898, 0.1693, 0.1113**, and the grayscale version is **61.2105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **35.1144, 0.4579, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **64.7637, 0.4584, 0.4706**, and if you desaturate by 10%, it is **70.5215, 0.4360, 0.4607**.

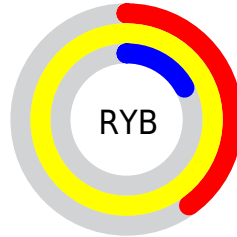
Distribution



Red (100%)

Green (82%)

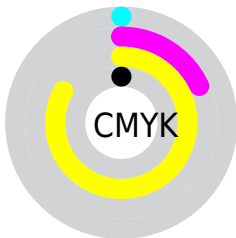
Blue (17%)



Red (40%)

Yellow (100%)

Blue (17%)

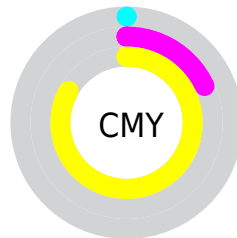


Cyan (0%)

Magenta (18%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5350, 0.4487, 0.4681 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 67.5350, 0.4487, 0.4681 by changing the saturation by 10% instead.


 67.5350, 0.4487,
0.4681

 67.5350, 0.4487,
0.4681


451.8467, 0.3927,
0.4113

 49.5195, 0.4584,
0.4777


 115.6867, 0.4316,
0.4509


 35.0318, 0.4684,
0.4877


 146.5917, 0.4242,
0.4434

 23.6874, 0.4782,
0.4971


 182.5620, 0.4175,
0.4366

 15.1019, 0.4908,
0.5092

 223.9820, 0.4115,
0.4305

 8.8909, 0.4915,
0.5085

 271.2360, 0.4061,
0.4250

 4.6701, 0.4925,
0.5075

324.7086, 0.4012,

 2.0550, 0.4941,

0.4200

0.5059

384.7840, 0.3967,
0.4154

■ 0.6392, 0.4995,
0.5005

■ 0.0000, 0.0000,
0.0000

■ 67.5350, 0.4487,
0.4681

■ 67.5350, 0.4487,
0.4681

■ 64.7637, 0.4584,
0.4706


■ 70.5215, 0.4360,
0.4607


■ 62.8627, 0.4638,
0.4700


■ 73.7330, 0.4208,
0.4489


■ 77.1890, 0.4038,
0.4333

■ 80.9037, 0.3858,
0.4150

 84.8899, 0.3676,
0.3951

 89.1593, 0.3497,
0.3746

 93.7226, 0.3327,
0.3541

 98.5898, 0.3169,
0.3343

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



67.5350, 0.4987, 0.4017



67.5350, 0.4487, 0.4681



67.5350, 0.3675, 0.5102

Triad

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



67.5350, 0.4487, 0.4681



67.5350, 0.1597, 0.2820



67.5350, 0.3255, 0.2219

Complementary

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



67.5350, 0.4487, 0.4681



14.8898, 0.1693, 0.1113

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.



67.5350, 0.2361, 0.1927



67.5350, 0.4487, 0.4681



67.5350, 0.1532, 0.2161

Square

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



67.5350, 0.4487, 0.4681



67.5350, 0.2015, 0.3865



67.5350, 0.1783, 0.1892



67.5350, 0.4259, 0.2718

Rectangle

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



67.5350, 0.4487, 0.4681



67.5350, 0.3070, 0.5028



67.5350, 0.1783, 0.1892



67.5350, 0.2928, 0.2095

Sweetspot

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



67.5383, 0.4487, 0.4681



88.1885, 0.3537, 0.3792



23.7894, 0.5521, 0.2987



18.5527, 0.3599, 0.3864



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.



67.5383, 0.4487, 0.4681



63.1316, 0.4630, 0.4701



83.3186, 0.3732, 0.5292



20.3949, 0.3274, 0.3476



33.0787, 0.4629, 0.4707



3.3769, 0.4569, 0.4754

Inverse Universe

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



14.8898, 0.1693, 0.1113



10.0990, 0.1559, 0.0807



11.9476, 0.1863, 0.0904



18.0050, 0.2979, 0.3097



5.3418, 0.1560, 0.0816



0.6704, 0.1614, 0.1012

Previews

White Background



This preview shows how the Yxy color 67.5350, 0.4487, 0.4681 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 67.5350, 0.4487, 0.4681 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 67.5350, 0.4487, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 67.5350, 0.4487, 0.4681.



This preview shows how white text looks on a background with the Yxy color 67.5350, 0.4487, 0.4681.

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

67.5350, 0.4487, 0.4681

Protanopia

67.4911, 0.4335, 0.4792

Deuteranopia

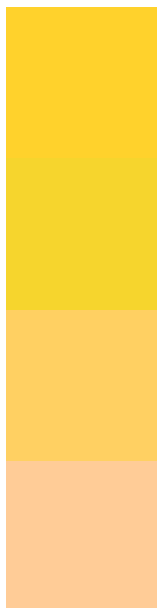
67.4706, 0.4086, 0.4084



Tritanopia

67.3220, 0.3472, 0.3168

Trichromacy



Original Color

67.5350, 0.4487, 0.4681

Protanomaly

67.3708, 0.4390, 0.4749

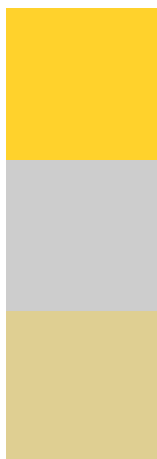
Deuteranomaly

67.2536, 0.4277, 0.4358

Tritanomaly

66.6801, 0.3940, 0.3840

Monochromacy



Original Color

67.5350, 0.4487, 0.4681

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.3889, 0.3702, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5350, 0.4487, 0.4681 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 44) }
```

Border

The CSS property to change the border of an element to Yxy 67.5350, 0.4487, 0.4681 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, 44) }
```

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

```
.border{ border-color:rgb(255, 210, 44) }
```

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, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5350, 0.4487, 0.4681 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, 44) }
```

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

```
.background{ background-color: rgb(255,  
210, 44) }
```

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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