

Converting Colors

Yxy(67.3106, 0.4493, 0.4680)

Have a look what the booklet for
Yxy(67.3106, 0.4493, 0.4680)
contains.

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Color

Yxy(67.5276, 0.4490, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	FFD22B
RGB	255, 210, 43
RGB Percent	100%, 82%, 17%
CMY	0.0000, 0.1765, 0.8313
CMYK	0.00, 0.18, 0.83, 0.00
HSL	47°, 100%, 58%
HSV	47°, 83%, 100%
XYZ	64.7308, 67.5276, 11.9082
YIQ	204.4170, 80.4270, -42.3970

Conversions

Conversions Part 2

Format	Color
R _Y B	100, 255, 43
Decimal	16765483
CIE Lab	85.77, 1.24, 79.82
CIE LCh	86, 79.831, 89.107
Yxy	67.5276, 0.4490, 0.4684
Android (android.graphics.Color)	4294955563 (0xFFFFD22B)
YUV	204.4170, -79.5786, 44.3613
Hunter-Lab	82.1752, -3.1991, 48.9308

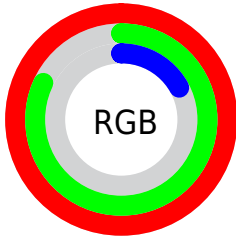
Details

The Yxy color **67.5276, 0.4490, 0.4684** 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 **14.7157, 0.1688, 0.1102**, and the grayscale version is **61.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **35.1144, 0.4579, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **64.7650, 0.4585, 0.4708**, and if you desaturate by 10%, it is **70.4930, 0.4364, 0.4612**.

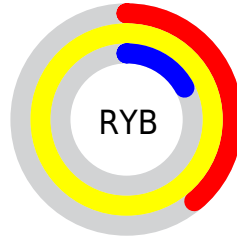
Distribution



Red (100%)

Green (82%)

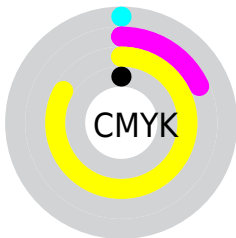
Blue (17%)



Red (39%)

Yellow (100%)

Blue (17%)

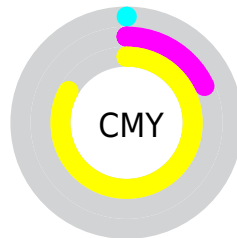


Cyan (0%)

Magenta (18%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5276, 0.4490, 0.4684 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 67.5276, 0.4490, 0.4684 by changing the saturation by 10% instead.


 67.5276, 0.4490,
0.4684

 67.5276, 0.4490,
0.4684


451.8205, 0.3929,
0.4115

 49.5135, 0.4586,
0.4780


 115.6761, 0.4319,
0.4512

 35.0270, 0.4687,
0.4879


 146.5793, 0.4245,
0.4437

 23.6837, 0.4784,
0.4973

 182.5476, 0.4178,
0.4369

 15.0991, 0.4908,
0.5092

 223.9655, 0.4118,
0.4308

 8.8890, 0.4915,
0.5085

 271.2173, 0.4064,
0.4252

 4.6688, 0.4925,
0.5075

 324.6875, 0.4014,

 2.0543, 0.4941,

0.4202

0.5059

384.7604, 0.3970,
0.4157

■ 0.6387, 0.4995,
0.5005

■ 0.0000, 0.0000,
0.0000

■ 67.5276, 0.4490,
0.4684

■ 67.5276, 0.4490,
0.4684

■ 64.7650, 0.4585,
0.4708

■ 70.4930, 0.4364,
0.4612

■ 62.9702, 0.4636,
0.4701

■ 73.6876, 0.4213,
0.4495

■ 77.1254, 0.4044,
0.4340

■ 80.8208, 0.3864,
0.4158

84.7866, 0.3682,
0.3960

89.0344, 0.3504,
0.3754

93.5750, 0.3334,
0.3549

98.4185, 0.3174,
0.3350

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.



67.5276, 0.4992, 0.4017



67.5276, 0.4490, 0.4684



67.5276, 0.3676, 0.5108

Triad

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



67.5276, 0.4490, 0.4684



67.5276, 0.1593, 0.2818



67.5276, 0.3255, 0.2216

Complementary

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



67.5276, 0.4490, 0.4684



14.7157, 0.1688, 0.1102

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.



67.5276, 0.2359, 0.1924



67.5276, 0.4490, 0.4684



67.5276, 0.1528, 0.2158

Square

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



67.5276, 0.4490, 0.4684



67.5276, 0.2012, 0.3867



67.5276, 0.1780, 0.1888



67.5276, 0.4263, 0.2716

Rectangle

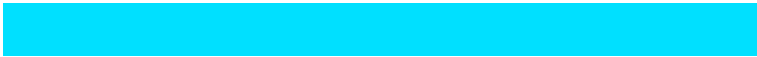
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5276, 0.4490, 0.4684



67.5276, 0.3069, 0.5034



67.5276, 0.1780, 0.1888



67.5276, 0.2927, 0.2092

Sweetspot

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



67.5254, 0.4490, 0.4684



88.2195, 0.3537, 0.3793



23.7088, 0.5536, 0.2989



18.5602, 0.3599, 0.3865



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.



67.5254, 0.4490, 0.4684



62.9702, 0.4636, 0.4701



83.2881, 0.3732, 0.5297



20.3975, 0.3274, 0.3476



33.1290, 0.4627, 0.4708



3.3814, 0.4568, 0.4755

Inverse Universe

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



14.7157, 0.1688, 0.1102



9.8710, 0.1553, 0.0791



11.8364, 0.1858, 0.0897



18.0026, 0.2979, 0.3097



5.3311, 0.1560, 0.0814



0.6690, 0.1614, 0.1010

Previews

White Background



This preview shows how the Yxy color 67.5276, 0.4490, 0.4684 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 67.5276, 0.4490, 0.4684 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 67.5276, 0.4490, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 67.5276, 0.4490, 0.4684.



This preview shows how white text looks on a background with the Yxy color 67.5276, 0.4490, 0.4684.

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

67.5276, 0.4490, 0.4684

Protanopia

67.4835, 0.4337, 0.4796

Deuteranopia

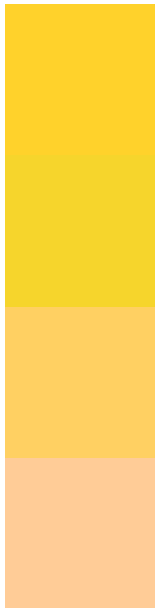
67.4706, 0.4086, 0.4084



Tritanopia

67.3220, 0.3472, 0.3168

Trichromacy



Original Color

67.5276, 0.4490, 0.4684

Protanomaly

67.3632, 0.4393, 0.4753

Deuteranomaly

67.2536, 0.4277, 0.4358

Tritanomaly

66.6801, 0.3940, 0.3840

Monochromacy



Original Color

67.5276, 0.4490, 0.4684

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.8749, 0.3713, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5276, 0.4490, 0.4684 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 43) }
```

Border

The CSS property to change the border of an element to Yxy 67.5276, 0.4490, 0.4684 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, 43) }
```

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

```
.border{ border-color:rgb(255, 210, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5276, 0.4490, 0.4684 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, 43) }
```

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

```
.background{ background-color: rgb(255,  
210, 43) }
```

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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