

Converting Colors

$Yxy(67.9702, 0.4396, 0.4563)$

Have a look what the booklet for
Yxy(67.9702, 0.4396, 0.4563)
contains.

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Color

Yxy(67.7954, 0.4400, 0.4562)

Conversions

Conversions Part 1

Format	Color
Hex	FFD246
RGB	255, 210, 70
RGB Percent	100%, 82%, 27%
CMY	0.0000, 0.1764, 0.7257
CMYK	0.00, 0.18, 0.73, 0.00
HSL	45°, 100%, 64%
HSV	45°, 73%, 100%
XYZ	65.3879, 67.7954, 15.4256
YIQ	207.4950, 71.7600, -34.0000

Conversions

Conversions Part 2

Format	Color
R_{YB}	129, 255, 70
Decimal	16765510
CIE _{Lab}	85.90, 2.15, 71.44
CIE _{LCh}	86, 71.467, 88.277
Yxy	67.7954, 0.4400, 0.4562
Android (android.graphics.Color)	4294955590 (0xFFFFD246)
YUV	207.4950, -67.7850, 41.6619
Hunter-Lab	82.3380, -2.3373, 46.5289

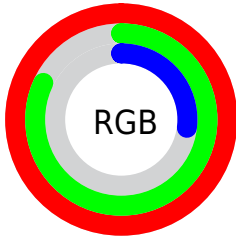
Details

The Yxy color **67.7954, 0.4400, 0.4562** 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 **20.7655, 0.1845, 0.1435**, and the grayscale version is **63.1431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **35.2463, 0.4589, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **64.5406, 0.4539, 0.4632**, and if you desaturate by 10%, it is **71.3119, 0.4236, 0.4447**.

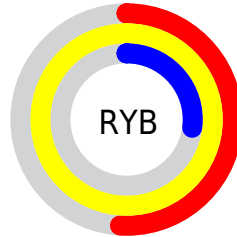
Distribution



Red (100%)

Green (82%)

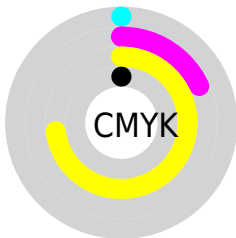
Blue (27%)



Red (51%)

Yellow (100%)

Blue (27%)

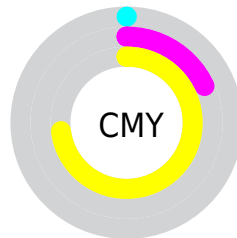


Cyan (0%)

Magenta (18%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7954, 0.4400, 0.4562 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 67.7954, 0.4400, 0.4562 by changing the saturation by 10% instead.


 67.7954, 0.4400,
0.4562


 67.7954, 0.4400,
0.4562


452.7708, 0.3858,
0.4028

 49.7313, 0.4501,
0.4659


 116.0594, 0.4229,
0.4395


 35.1999, 0.4611,
0.4763


 147.0281, 0.4157,
0.4324

 23.8169, 0.4726,
0.4870


 183.0671, 0.4093,
0.4261

 15.1979, 0.4846,
0.4977

 224.5608, 0.4035,
0.4204

 8.9584, 0.4945,
0.5055

 271.8937, 0.3984,
0.4153

 4.7140, 0.4962,
0.5038

325.4500, 0.3938,

 2.0805, 0.4989,

0.4107

0.5011

385.6142, 0.3896,
0.4065

■ 0.6536, 0.5076,
0.4924

■ 0.0000, 0.0000,
0.0000

■ 67.7954, 0.4400,
0.4562

■ 67.7954, 0.4400,
0.4562

■ 64.5406, 0.4539,
0.4632

■ 71.3119, 0.4236,
0.4447

■ 61.5176, 0.4648,
0.4652

■ 75.0969, 0.4056,
0.4295

■ 59.4014, 0.4712,
0.4641

■ 79.1683, 0.3868,
0.4117

■ 83.5392, 0.3680,
0.3924

■ 88.2217, 0.3498,
0.3726

■ 93.2270, 0.3325,
0.3528

■ 98.5654, 0.3166,
0.3337

■ 99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



67.7954, 0.4824, 0.3968



67.7954, 0.4400, 0.4562



67.7954, 0.3672, 0.4914

Triad

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



67.7954, 0.4400, 0.4562



67.7954, 0.1735, 0.2903



67.7954, 0.3224, 0.2299

Complementary

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



67.7954, 0.4400, 0.4562



20.7655, 0.1845, 0.1435

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.



67.7954, 0.2416, 0.2034



67.7954, 0.4400, 0.4562



67.7954, 0.1659, 0.2282

Square

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



67.7954, 0.4400, 0.4562



67.7954, 0.2140, 0.3835



67.7954, 0.1886, 0.2013



67.7954, 0.4123, 0.2760

Rectangle

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



67.7954, 0.4400, 0.4562



67.7954, 0.3118, 0.4838



67.7954, 0.1886, 0.2013



67.7954, 0.2930, 0.2186

Sweetspot

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



67.7987, 0.4400, 0.4562



88.5050, 0.3487, 0.3714



26.8984, 0.5020, 0.2898



18.6641, 0.3536, 0.3768



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.



67.7987, 0.4400, 0.4562



63.1787, 0.4591, 0.4647



85.4703, 0.3766, 0.5102



20.2986, 0.3275, 0.3469



31.2871, 0.4701, 0.4649



3.2164, 0.4631, 0.4705

Inverse Universe

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



20.7655, 0.1845, 0.1435



14.3744, 0.1665, 0.1083



15.3216, 0.1977, 0.1103



18.0947, 0.2979, 0.3105



5.7649, 0.1575, 0.0871



0.7231, 0.1633, 0.1077

Previews

White Background



This preview shows how the Yxy color 67.7954, 0.4400, 0.4562 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 67.7954, 0.4400, 0.4562 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 67.7954, 0.4400, 0.4562

Background



This preview shows how black text looks on a background with the Yxy color 67.7954, 0.4400, 0.4562.



This preview shows how white text looks on a background with the Yxy color 67.7954, 0.4400, 0.4562.

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

67.7954, 0.4400, 0.4562

Protanopia

67.7566, 0.4249, 0.4665

Deuteranopia

67.5791, 0.4058, 0.4046



Tritanopia

67.7868, 0.3470, 0.3178

Trichromacy



Original Color

67.7954, 0.4400, 0.4562

Protanomaly

67.6363, 0.4303, 0.4624

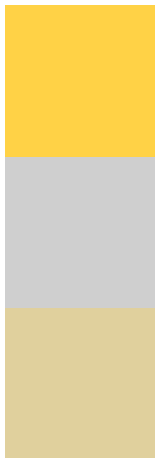
Deuteranomaly

67.4975, 0.4206, 0.4262

Tritanomaly

66.9838, 0.3871, 0.3748

Monochromacy



Original Color

67.7954, 0.4400, 0.4562

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3934, 0.3626, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7954, 0.4400, 0.4562 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 70) }
```

Border

The CSS property to change the border of an element to Yxy 67.7954, 0.4400, 0.4562 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, 70) }
```

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

```
.border{ border-color:rgb(255, 210, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 67.7954, 0.4400, 0.4562$ 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, 70) }
```

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

```
.background{ background-color: rgb(255,  
210, 70) }
```

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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