

Converting Colors

$Yxy(63.7097, 0.4473, 0.4500)$

Have a look what the booklet for
Yxy(63.7097, 0.4473, 0.4500)
contains.

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Color

Yxy(63.9307, 0.4467, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA45
RGB	255, 202, 69
RGB Percent	100%, 79%, 27%
CMY	0.0000, 0.2078, 0.7291
CMYK	0.00, 0.21, 0.73, 0.00
HSL	43°, 100%, 64%
HSV	43°, 73%, 100%
XYZ	63.4337, 63.9307, 14.6407
YIQ	202.6850, 74.2810, -30.1270

Conversions

Conversions Part 2

Format	Color
R_{YB}	143, 255, 69
Decimal	16763461
CIE _{Lab}	83.93, 6.22, 69.83
CIE _{LCh}	84, 70.106, 84.912
Yxy	63.9307, 0.4467, 0.4502
Android (android.graphics.Color)	4294953541 (0xFFFFCA45)
YUV	202.6850, -65.9067, 45.8803
Hunter-Lab	79.9567, 1.6889, 45.1132

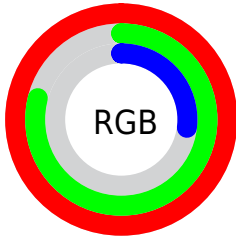
Details

The Yxy color **63.9307, 0.4467, 0.4502** 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 **22.4237, 0.1864, 0.1522**, and the grayscale version is **59.9064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2607, 0.3874, 0.4525**, and **32.6491, 0.4687, 0.4660** is the 20% darker color. If you saturate the color by 10%, you get **60.3513, 0.4623, 0.4563**, and if you desaturate by 10%, it is **67.8129, 0.4287, 0.4395**.

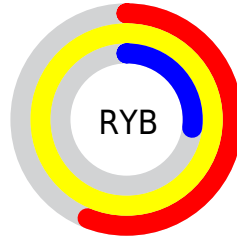
Distribution



Red (100%)

Green (79%)

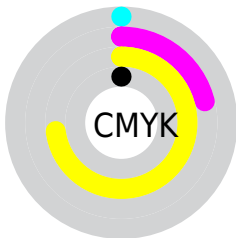
Blue (27%)



Red (56%)

Yellow (100%)

Blue (27%)

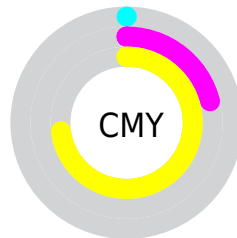


Cyan (0%)

Magenta (21%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (21%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9307, 0.4467, 0.4502 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 63.9307, 0.4467, 0.4502 by changing the saturation by 10% instead.


 63.9307, 0.4467,
0.4502

 63.9307, 0.4467,
0.4502


438.9393, 0.3885,
0.3996


 46.5945, 0.4578,
0.4592


 110.5111, 0.4281,
0.4345


 32.7152, 0.4700,
0.4687


 140.5242, 0.4203,
0.4278


 21.9084, 0.4831,
0.4781


 175.5317, 0.4134,
0.4218

 13.7896, 0.4978,
0.4876

 215.9180, 0.4073,
0.4164

 7.9745, 0.5087,
0.4913

 262.0675, 0.4018,
0.4116

 4.0786, 0.5139,
0.4861

314.3647, 0.3969,

 1.7176, 0.5226,

0.4072

0.4774

373.1938, 0.3925,
0.4032

■ 0.4350, 0.5651,
0.4349

■ 0.0000, 0.0000,
0.0000

■ 63.9307, 0.4467,
0.4502

■ 63.9307, 0.4467,
0.4502

■ 60.3513, 0.4623,
0.4563

■ 67.8129, 0.4287,
0.4395

■ 57.0444, 0.4748,
0.4574

■ 72.0062, 0.4093,
0.4251

■ 54.8445, 0.4820,
0.4555

■ 76.5292, 0.3894,
0.4082

■ 81.3959, 0.3697,
0.3898

■ 86.6191, 0.3509,
0.3709

■ 92.2107, 0.3333,
0.3522

■ 98.1820, 0.3171,
0.3341

■ 99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



63.9307, 0.4844, 0.3897



63.9307, 0.4467, 0.4502



63.9307, 0.3762, 0.4898

Triad

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



63.9307, 0.4467, 0.4502



63.9307, 0.1763, 0.2995



63.9307, 0.3123, 0.2258

Complementary

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



63.9307, 0.4467, 0.4502



22.4237, 0.1864, 0.1522

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.



63.9307, 0.2341, 0.2019



63.9307, 0.4467, 0.4502



63.9307, 0.1651, 0.2333

Square

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



63.9307, 0.4467, 0.4502



63.9307, 0.2206, 0.3946



63.9307, 0.1845, 0.2028



63.9307, 0.4029, 0.2701

Rectangle

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



63.9307, 0.4467, 0.4502



63.9307, 0.3212, 0.4874



63.9307, 0.1845, 0.2028



63.9307, 0.2836, 0.2153

Sweetspot

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



63.9338, 0.4467, 0.4502



87.1190, 0.3492, 0.3692



27.0021, 0.4895, 0.2808



18.3342, 0.3542, 0.3743



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.



63.9338, 0.4467, 0.4502



58.9714, 0.4678, 0.4573



86.8188, 0.3831, 0.5064



20.1644, 0.3276, 0.3459



28.9280, 0.4807, 0.4565



3.0031, 0.4720, 0.4634

Inverse Universe

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



22.4237, 0.1864, 0.1522



15.9801, 0.1692, 0.1181



14.5673, 0.1913, 0.1065



18.2207, 0.2979, 0.3115



6.4581, 0.1600, 0.0959



0.8054, 0.1660, 0.1176

Previews

White Background



This preview shows how the Yxy color 63.9307, 0.4467, 0.4502 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 63.9307, 0.4467, 0.4502 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 63.9307, 0.4467, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 63.9307, 0.4467, 0.4502.



This preview shows how white text looks on a background with the Yxy color 63.9307, 0.4467, 0.4502.

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

63.9307, 0.4467, 0.4502

Protanopia

64.0405, 0.4229, 0.4660

Deuteranopia

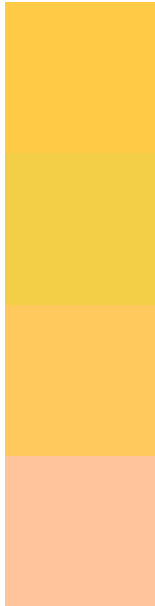
64.0948, 0.4269, 0.4224



Tritanopia

63.8077, 0.3541, 0.3167

Trichromacy



Original Color

63.9307, 0.4467, 0.4502

Protanomaly

63.9451, 0.4321, 0.4602

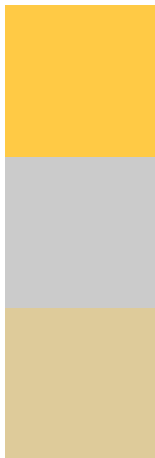
Deuteranomaly

63.8236, 0.4354, 0.4335

Tritanomaly

63.1402, 0.3935, 0.3709

Monochromacy



Original Color

63.9307, 0.4467, 0.4502

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.5746, 0.3647, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9307, 0.4467, 0.4502 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, 202, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 69)  
}
```

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, 202, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 69) }
```

Border

The CSS property to change the border of an element to Yxy 63.9307, 0.4467, 0.4502 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, 202, 69) }
```

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

```
.border{ border-color:rgb(255, 202, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9307, 0.4467, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 69) }
```

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

```
.background{ background-color: rgb(255,  
202, 69) }
```

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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