

Converting Colors

Yxy(64.5141, 0.4411, 0.4445)

Have a look what the booklet for
Yxy(64.5141, 0.4411, 0.4445)
contains.

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Color

Yxy(64.5511, 0.4409, 0.4444)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB50
RGB	255, 203, 80
RGB Percent	100%, 80%, 31%
CMY	0.0000, 0.2039, 0.6865
CMYK	0.00, 0.20, 0.69, 0.00
HSL	42°, 100%, 66%
HSV	42°, 69%, 100%
XYZ	64.0427, 64.5511, 16.6607
YIQ	204.5260, 70.4750, -27.2290

Conversions

Conversions Part 2

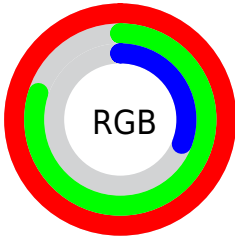
Format	Color
RYB	154, 255, 80
Decimal	16763728
CIELab	84.25, 6.22, 65.88
CIELCh	84, 66.168, 84.604
Yxy	64.5511, 0.4409, 0.4444
Android (android.graphics.Color)	4294953808 (0xFFFFCB50)
YUV	204.5260, -61.3913, 44.2657
Hunter-Lab	80.3437, 1.6825, 43.9458

Details

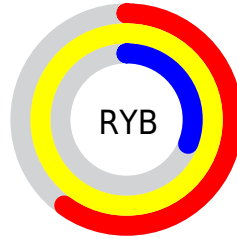
The Yxy color **64.5511, 0.4409, 0.4444** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **25.4061, 0.1935, 0.1661**, and the grayscale version is **61.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **33.0047, 0.4645, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **60.7557, 0.4581, 0.4523**, and if you desaturate by 10%, it is **68.6696, 0.4217, 0.4322**.

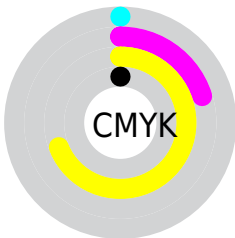
Distribution



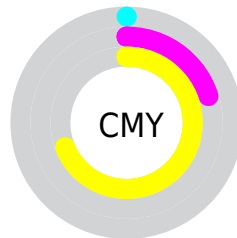
- Red (100%)
- Green (80%)
- Blue (31%)



- Red (60%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5511, 0.4409, 0.4444 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 64.5511, 0.4409, 0.4444 by changing the saturation by 10% instead.


 64.5511, 0.4409,
0.4444

 64.5511, 0.4409,
0.4444


441.1771, 0.3846,
0.3956

 47.0972, 0.4519,
0.4534


 111.4042, 0.4226,
0.4290


 33.1125, 0.4644,
0.4631

 141.5722, 0.4151,
0.4225

 22.2126, 0.4780,
0.4731


 176.7470, 0.4085,
0.4168

 14.0132, 0.4924,
0.4825

 217.3130, 0.4026,
0.4116

 8.1299, 0.5085,
0.4915

 263.6547, 0.3973,
0.4069

 4.1782, 0.5137,
0.4863

316.1563, 0.3926,

 1.7737, 0.5222,

0.4028

0.4778

375.2023, 0.3884,
0.3990

■ 0.4707, 0.5601,
0.4399

■ 0.0000, 0.0000,
0.0000

■ 64.5511, 0.4409,
0.4444

■ 64.5511, 0.4409,
0.4444

■ 60.7557, 0.4581,
0.4523

■ 68.6696, 0.4217,
0.4322

■ 57.2556, 0.4725,
0.4553

■ 73.1199, 0.4016,
0.4168


■ 54.0265, 0.4837,
0.4534

■ 77.9199, 0.3814,
0.3994

■ 53.6075, 0.4851,
0.4530

■ 83.0832, 0.3618,
0.3810

 88.6226, 0.3433,
0.3623

 94.5499, 0.3263,
0.3441

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.



64.5511, 0.4752, 0.3875



64.5511, 0.4409, 0.4444



64.5511, 0.3747, 0.4804

Triad

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



64.5511, 0.4409, 0.4444



64.5511, 0.1835, 0.3028



64.5511, 0.3118, 0.2305

Complementary

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



64.5511, 0.4409, 0.4444



25.4061, 0.1935, 0.1661

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.



64.5511, 0.2378, 0.2078



64.5511, 0.4409, 0.4444



64.5511, 0.1721, 0.2393

Square

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



64.5511, 0.4409, 0.4444



64.5511, 0.2266, 0.3915



64.5511, 0.1904, 0.2093



64.5511, 0.3969, 0.2728

Rectangle

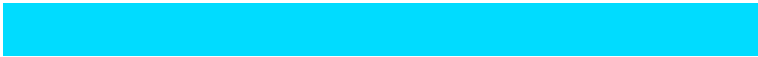
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5511, 0.4409, 0.4444



64.5511, 0.3225, 0.4774



64.5511, 0.1904, 0.2093



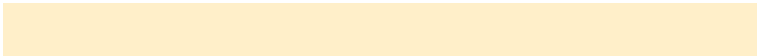
64.5511, 0.2847, 0.2205

Sweetspot

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



64.5539, 0.4409, 0.4444



87.2876, 0.3475, 0.3667



28.6666, 0.4738, 0.2812



18.3529, 0.3526, 0.3718



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.



64.5539, 0.4409, 0.4444



59.5518, 0.4633, 0.4539



87.3119, 0.3814, 0.4991



20.1261, 0.3277, 0.3456



28.2838, 0.4838, 0.4541



2.9444, 0.4747, 0.4613

Inverse Universe

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



25.4061, 0.1935, 0.1661



18.5238, 0.1753, 0.1324



16.5895, 0.1986, 0.1177



18.2569, 0.2979, 0.3118



6.6791, 0.1607, 0.0986



0.8308, 0.1668, 0.1205

Previews

White Background



This preview shows how the Yxy color 64.5511, 0.4409, 0.4444 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 64.5511, 0.4409, 0.4444 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 64.5511, 0.4409, 0.4444

Background



This preview shows how black text looks on a background with the Yxy color 64.5511, 0.4409, 0.4444.



This preview shows how white text looks on a background with the Yxy color 64.5511, 0.4409, 0.4444.

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

64.5511, 0.4409, 0.4444

Protanopia

64.8599, 0.4180, 0.4589

Deuteranopia

64.6933, 0.4224, 0.4182



Tritanopia

64.2998, 0.3531, 0.3168

Trichromacy



Original Color

64.5511, 0.4409, 0.4444

Protanomaly

64.5831, 0.4263, 0.4539

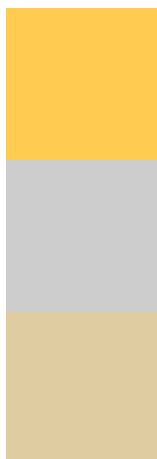
Deuteranomaly

64.4406, 0.4300, 0.4282

Tritanomaly

63.7306, 0.3898, 0.3678

Monochromacy



Original Color

64.5511, 0.4409, 0.4444

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.4118, 0.3607, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5511, 0.4409, 0.4444 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, 203, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 80)  
}
```

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, 203, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 80) }
```

Border

The CSS property to change the border of an element to Yxy 64.5511, 0.4409, 0.4444 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, 203, 80) }
```

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

```
.border{ border-color:rgb(255, 203, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5511, 0.4409, 0.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 80) }
```

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

```
.background{ background-color: rgb(255,  
203, 80) }
```

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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