

Converting Colors

$Y_{xy}(75.4363, 0.4871, 0.4017)$

Have a look what the booklet for
Yxy(75.4363, 0.4871, 0.4017)
contains.

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Color

Yxy(60.6881, 0.4386, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	FFC260
RGB	255, 194, 96
RGB Percent	100%, 76%, 38%
CMY	0.0002, 0.2391, 0.6236
CMYK	0.00, 0.24, 0.62, 0.00
HSL	37°, 100%, 69%
HSV	37°, 62%, 100%
XYZ	62.6301, 60.6881, 19.4773
YIQ	201.0670, 67.8140, -17.5460

Conversions

Conversions Part 2

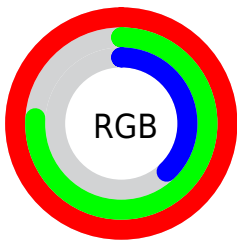
Format	Color
RYB	195, 255, 96
Decimal	16761440
CIELab	82.21, 11.77, 56.64
CIELCh	82, 57.849, 78.257
Yxy	60.6881, 0.4386, 0.4250
Android (android.graphics.Color)	4294951520 (0xFFFFC260)
YUV	201.0670, -51.7980, 47.2992
Hunter-Lab	77.9026, 7.1764, 39.7080

Details

The Yxy color **60.6881, 0.4386, 0.4250** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.7905, 0.2079, 0.2012**, and the grayscale version is **58.7482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8011, 0.3768, 0.4279**, and **30.8263, 0.4650, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **56.0866, 0.4609, 0.4341**, and if you desaturate by 10%, it is **65.7338, 0.4155, 0.4123**.

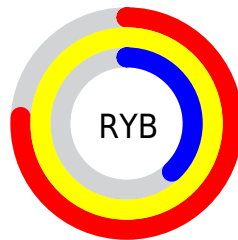
Distribution



Red (100%)

Green (76%)

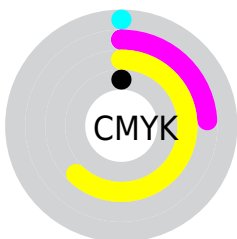
Blue (38%)



Red (76%)

Yellow (100%)

Blue (38%)

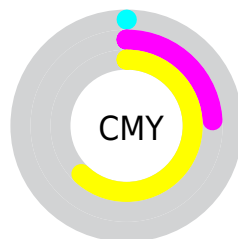


Cyan (0%)

Magenta (24%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6881, 0.4386, 0.4250 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 60.6881, 0.4386, 0.4250 by changing the saturation by 10% instead.

 60.6881, 0.4386,
0.4250


 60.6881, 0.4386,
0.4250


427.1295, 0.3810,
0.3839


 43.9735, 0.4507,
0.4328

 105.8272, 0.4193,
0.4119

 30.6497, 0.4650,
0.4413


 135.0205, 0.4115,
0.4064

 20.3322, 0.4814,
0.4503


 169.1421, 0.4047,
0.4016

 12.6368, 0.5001,
0.4586

 208.5765, 0.3988,
0.3972

 7.1789, 0.5286,
0.4714

253.7081, 0.3936,
0.3934

 3.5742, 0.5390,
0.4610

304.9211, 0.3889,

 1.4384, 0.5564,

0.3899

0.4436

362.6001, 0.3847,
0.3867

0.2447, 0.6800,
0.3200

0.0000, 0.0000,
0.0000

60.6881, 0.4386,
0.4250

60.6881, 0.4386,
0.4250

56.0866, 0.4609,
0.4341

65.7338, 0.4155,
0.4123

51.8997, 0.4811,
0.4386

71.2333, 0.3928,
0.3973

48.1061, 0.4982,
0.4378

77.2068, 0.3711,
0.3811

45.4443, 0.5091,
0.4339

83.6699, 0.3510,
0.3645

■ 90.6375, 0.3327,
0.3482

■ 98.1235, 0.3163,
0.3325

■ 99.9911, 0.3127,
0.3290

Harmonies

Analogous

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



60.6881, 0.4597, 0.3725



60.6881, 0.4386, 0.4250



60.6881, 0.3843, 0.4610

Triad

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



60.6881, 0.4386, 0.4250



60.6881, 0.2018, 0.3222



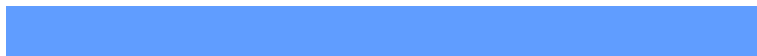
60.6881, 0.2968, 0.2333

Complementary

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



60.6881, 0.4386, 0.4250



33.7905, 0.2079, 0.2012

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.



60.6881, 0.2339, 0.2170



60.6881, 0.4386, 0.4250



60.6881, 0.1847, 0.2587

Square

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



60.6881, 0.4386, 0.4250



60.6881, 0.2476, 0.4008



60.6881, 0.1958, 0.2242



60.6881, 0.3727, 0.2690

Rectangle

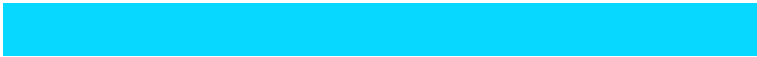
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.6881, 0.4386, 0.4250



60.6881, 0.3382, 0.4639



60.6881, 0.1958, 0.2242



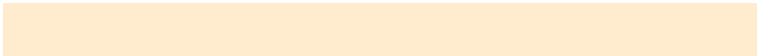
60.6881, 0.2735, 0.2255

Sweetspot

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



60.6911, 0.4386, 0.4250



85.9818, 0.3447, 0.3590



32.0477, 0.4331, 0.2696



17.9865, 0.3501, 0.3637



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.



60.6911, 0.4386, 0.4250



54.9593, 0.4665, 0.4358



90.2372, 0.3872, 0.4813



19.8527, 0.3279, 0.3436



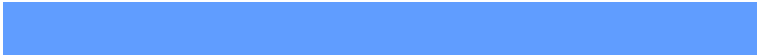
24.0533, 0.5073, 0.4354



2.5535, 0.4945, 0.4456

Inverse Universe

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



33.7905, 0.2079, 0.2012



26.2079, 0.1897, 0.1708



19.1954, 0.2014, 0.1322



18.5190, 0.2979, 0.3139



8.5776, 0.1670, 0.1210



1.0386, 0.1732, 0.1435

Previews

White Background



This preview shows how the Yxy color 60.6881, 0.4386, 0.4250 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 60.6881, 0.4386, 0.4250 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 60.6881, 0.4386, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 60.6881, 0.4386, 0.4250.



This preview shows how white text looks on a background with the Yxy color 60.6881, 0.4386, 0.4250.

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

60.6881, 0.4386, 0.4250

Protanopia

60.8944, 0.4062, 0.4436

Deuteranopia

60.7574, 0.4363, 0.4266



Tritanopia

60.4550, 0.3614, 0.3167

Trichromacy



Original Color

60.6881, 0.4386, 0.4250

Protanomaly

60.6597, 0.4177, 0.4368

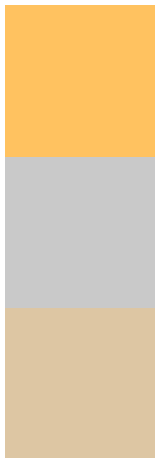
Deuteranomaly

60.9456, 0.4371, 0.4262

Tritanomaly

60.2284, 0.3922, 0.3586

Monochromacy



Original Color

60.6881, 0.4386, 0.4250

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.4047, 0.3585, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6881, 0.4386, 0.4250 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, 194, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 96)  
}
```

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, 194, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 96) }
```

Border

The CSS property to change the border of an element to Yxy 60.6881, 0.4386, 0.4250 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, 194, 96) }
```

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

```
.border{ border-color:rgb(255, 194, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6881, 0.4386, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 96) }
```

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

```
.background{ background-color: rgb(255,  
194, 96) }
```

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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