

Converting Colors

$Y_{xy}(101.7803, 0.5123, 0.3749)$

Have a look what the booklet for
Yxy(101.7803, 0.5123, 0.3749)
contains.

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Color

Yxy(63.5120, 0.4180, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	FFC77A
RGB	255, 199, 122
RGB Percent	100%, 78%, 48%
CMY	0.0000, 0.2196, 0.5215
CMYK	0.00, 0.22, 0.52, 0.00
HSL	35°, 100%, 74%
HSV	35°, 52%, 100%
XYZ	65.1805, 63.5120, 27.2417
YIQ	206.9660, 58.0930, -12.0750

Conversions

Conversions Part 2

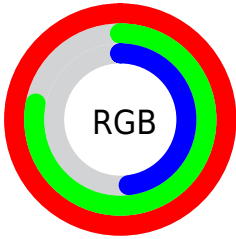
Format	Color
R _Y B	219, 255, 122
Decimal	16762746
CIE Lab	83.71, 11.13, 45.89
CIE LCh	84, 47.223, 76.362
Yxy	63.5120, 0.4180, 0.4073
Android (android.graphics.Color)	4294952826 (0xFFFFC77A)
YUV	206.9660, -41.8882, 42.1258
Hunter-Lab	79.6944, 6.5264, 35.5192

Details

The Yxy color **63.5120, 0.4180, 0.4073** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.2074, 0.2259, 0.2324**, and the grayscale version is **62.6216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **32.3078, 0.4415, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **58.1928, 0.4425, 0.4193**, and if you desaturate by 10%, it is **69.3474, 0.3941, 0.3931**.

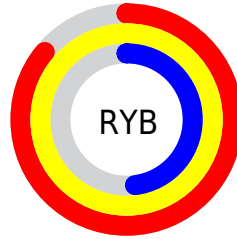
Distribution



Red (100%)

Green (78%)

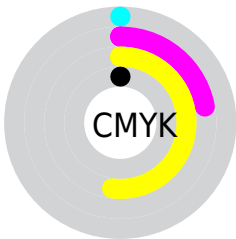
Blue (48%)



Red (86%)

Yellow (100%)

Blue (48%)

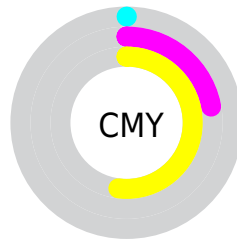


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5120, 0.4180, 0.4073 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 63.5120, 0.4180, 0.4073 by changing the saturation by 10% instead.

 63.5120, 0.4180,
0.4073


 63.5120, 0.4180,
0.4073


437.4253, 0.3691,
0.3729


 46.2555, 0.4288,
0.4143


 109.9078, 0.4013,
0.3960

 32.4475, 0.4417,
0.4224


 139.8160, 0.3947,
0.3914

 21.7035, 0.4575,
0.4315


 174.7102, 0.3890,
0.3873

 13.6392, 0.4766,
0.4416

214.9748, 0.3840,
0.3838

 7.8702, 0.4995,
0.4514

260.9942, 0.3796,
0.3806

 4.0120, 0.5345,
0.4655

313.1528, 0.3757,

 1.6803, 0.5497,

0.3778

0.4503

371.8350, 0.3722,
0.3752

0.4108, 0.6172,
0.3828

0.0000, 0.0000,
0.0000

63.5120, 0.4180,
0.4073

63.5120, 0.4180,
0.4073

58.1928, 0.4425,
0.4193

69.3474, 0.3941,
0.3931

53.3669, 0.4665,
0.4277

75.7152, 0.3717,
0.3777

49.0125, 0.4886,
0.4315

82.6339, 0.3511,
0.3621

45.1035, 0.5076,
0.4299

90.1197, 0.3325,
0.3467

42.3198, 0.5201,
0.4252

98.1884, 0.3160,
0.3320

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.



63.5120, 0.4314, 0.3645



63.5120, 0.4180, 0.4073



63.5120, 0.3761, 0.4348

Triad

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



63.5120, 0.4180, 0.4073



63.5120, 0.2237, 0.3287



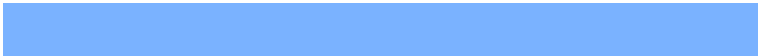
63.5120, 0.2968, 0.2482

Complementary

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



63.5120, 0.4180, 0.4073



43.2074, 0.2259, 0.2324

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.



63.5120, 0.2457, 0.2360



63.5120, 0.4180, 0.4073



63.5120, 0.2069, 0.2758

Square

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



63.5120, 0.4180, 0.4073



63.5120, 0.2638, 0.3894



63.5120, 0.2146, 0.2443



63.5120, 0.3576, 0.2775

Rectangle

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



63.5120, 0.4180, 0.4073



63.5120, 0.3390, 0.4365



63.5120, 0.2146, 0.2443



63.5120, 0.2780, 0.2420

Sweetspot

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



63.5128, 0.4180, 0.4073



87.1688, 0.3394, 0.3526



38.4648, 0.3963, 0.2703



18.3276, 0.3433, 0.3557



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.



63.5128, 0.4180, 0.4073



57.7632, 0.4446, 0.4201



92.5428, 0.3827, 0.4580



19.7338, 0.3280, 0.3428



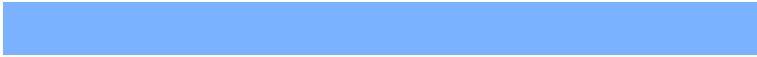
22.4151, 0.5180, 0.4269



2.3988, 0.5037, 0.4383

Inverse Universe

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



43.2074, 0.2259, 0.2324



35.4593, 0.2087, 0.2078



25.9601, 0.2173, 0.1642



18.6349, 0.2979, 0.3149



9.5889, 0.1701, 0.1321



1.1441, 0.1762, 0.1543

Previews

White Background



This preview shows how the Yxy color 63.5120, 0.4180, 0.4073 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 63.5120, 0.4180, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

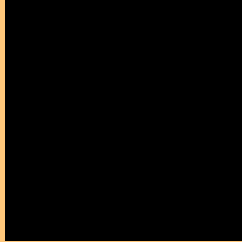
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5120, 0.4180, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 63.5120, 0.4180, 0.4073.



This preview shows how white text looks on a background with the Yxy color 63.5120, 0.4180, 0.4073.

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

63.5120, 0.4180, 0.4073

Protanopia

63.6013, 0.3876, 0.4209

Deuteranopia

63.3228, 0.4172, 0.4076



Tritanopia

63.3189, 0.3551, 0.3167

Trichromacy



Original Color

63.5120, 0.4180, 0.4073

Protanomaly

63.3205, 0.3986, 0.4151

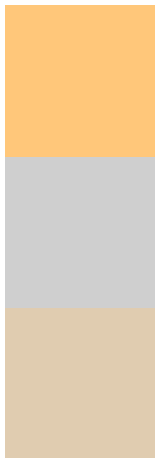
Deuteranomaly

63.3228, 0.4172, 0.4076

Tritanomaly

63.3462, 0.3791, 0.3511

Monochromacy



Original Color

63.5120, 0.4180, 0.4073

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.1676, 0.3493, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5120, 0.4180, 0.4073 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, 199, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 122)  
}
```

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, 199, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 122) }
```

Border

The CSS property to change the border of an element to Yxy 63.5120, 0.4180, 0.4073 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, 199, 122) }
```

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

```
.border{ border-color:rgb(255, 199, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5120, 0.4180, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 122) }
```

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

```
.background{ background-color: rgb(255,  
199, 122) }
```

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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