

Converting Colors

$Y_{xy}(90.8336, 0.4781, 0.3903)$

Have a look what the booklet for
Yxy(90.8336, 0.4781, 0.3903)
contains.

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Color

Yxy(68.3162, 0.4110, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	FFD17C
RGB	255, 209, 124
RGB Percent	100%, 82%, 49%
CMY	0.0000, 0.1804, 0.5137
CMYK	0.00, 0.18, 0.51, 0.00
HSL	39°, 100%, 74%
HSV	39°, 51%, 100%
XYZ	67.6904, 68.3162, 28.6902
YIQ	213.0640, 54.7010, -16.6830

Conversions

Conversions Part 2

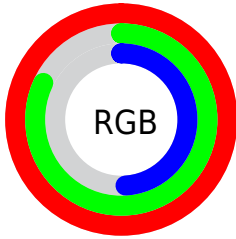
Format	Color
R_{YB}	195, 255, 124
Decimal	16765308
CIE _{Lab}	86.16, 6.15, 47.93
CIE _{LCh}	86, 48.319, 82.690
Yxy	68.3162, 0.4110, 0.4148
Android (android.graphics.Color)	4294955388 (0xFFFFD17C)
YUV	213.0640, -43.9086, 36.7779
Hunter-Lab	82.6536, 1.5413, 37.2772

Details

The Yxy color **68.3162, 0.4110, 0.4148** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.2630, 0.2248, 0.2222**, and the grayscale version is **66.8525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **35.6595, 0.4318, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **63.4755, 0.4328, 0.4284**, and if you desaturate by 10%, it is **73.5616, 0.3892, 0.3989**.

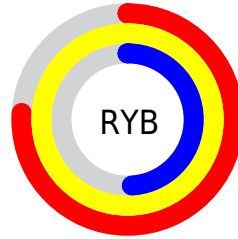
Distribution



Red (100%)

Green (82%)

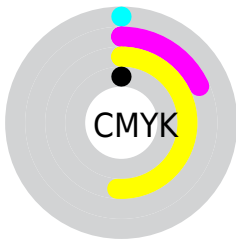
Blue (49%)



Red (76%)

Yellow (100%)

Blue (49%)

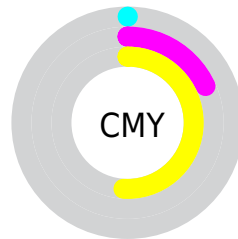


Cyan (0%)

Magenta (18%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3162, 0.4110, 0.4148 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 68.3162, 0.4110, 0.4148 by changing the saturation by 10% instead.

 68.3162, 0.4110,
0.4148

 68.3162, 0.4110,
0.4148


454.6155, 0.3663,
0.3769


 50.1550, 0.4206,
0.4226


 116.8044, 0.3959,
0.4022

 35.5366, 0.4321,
0.4317


 147.9002, 0.3899,
0.3972

 24.0765, 0.4458,
0.4423


 184.0763, 0.3846,
0.3927

 15.3904, 0.4622,
0.4543

225.7171, 0.3800,
0.3888

 9.0938, 0.4812,
0.4669

273.2070, 0.3760,
0.3853

 4.8024, 0.5123,
0.4877

326.9305, 0.3724,

 2.1318, 0.5198,

0.3822

0.4802

387.2719, 0.3692,
0.3794

0.6824, 0.5393,
0.4607

0.0000, 0.0000,
0.0000

68.3162, 0.4110,
0.4148

68.3162, 0.4110,
0.4148

63.4755, 0.4328,
0.4284

73.5616, 0.3892,
0.3989

59.0362, 0.4538,
0.4386

79.2412, 0.3683,
0.3819

54.9744, 0.4728,
0.4442

85.3648, 0.3488,
0.3645

51.2676, 0.4888,
0.4446

91.9460, 0.3309,
0.3475

■ 48.3263, 0.5000,
0.4412

98.9978, 0.3148,
0.3312

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.



68.3162, 0.4313, 0.3741



68.3162, 0.4110, 0.4148



68.3162, 0.3648, 0.4370

Triad

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



68.3162, 0.4110, 0.4148



68.3162, 0.2182, 0.3162



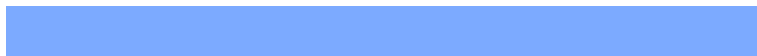
68.3162, 0.3094, 0.2532

Complementary

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



68.3162, 0.4110, 0.4148



40.2630, 0.2248, 0.2222

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.



68.3162, 0.2551, 0.2370



68.3162, 0.4110, 0.4148



68.3162, 0.2066, 0.2673

Square

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



68.3162, 0.4110, 0.4148



68.3162, 0.2537, 0.3772



68.3162, 0.2194, 0.2408



68.3162, 0.3699, 0.2855

Rectangle

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



68.3162, 0.4110, 0.4148



68.3162, 0.3266, 0.4333



68.3162, 0.2194, 0.2408



68.3162, 0.2898, 0.2458

Sweetspot

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



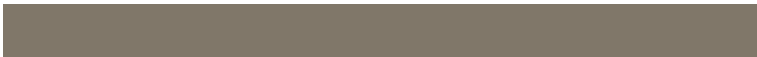
68.3116, 0.4110, 0.4148



89.5022, 0.3372, 0.3536



38.6581, 0.4047, 0.2799



18.8596, 0.3410, 0.3572



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.



68.3116, 0.4110, 0.4148



63.1836, 0.4342, 0.4292



91.0722, 0.3757, 0.4593



19.9538, 0.3278, 0.3444



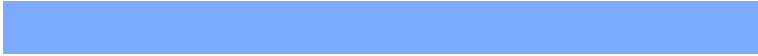
25.5426, 0.4983, 0.4425



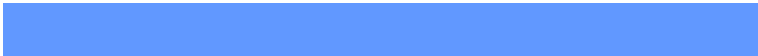
2.6924, 0.4870, 0.4515

Inverse Universe

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



40.2630, 0.2248, 0.2222



32.3530, 0.2068, 0.1953



27.3425, 0.2247, 0.1692



18.4214, 0.2979, 0.3131



7.8079, 0.1645, 0.1122



0.9562, 0.1707, 0.1346

Previews

White Background



This preview shows how the Yxy color 68.3162, 0.4110, 0.4148 looks on a white background.

Color Contrast Check

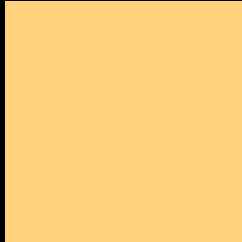
Large Text (above 18pt) WCAG AA × Fail

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 68.3162, 0.4110, 0.4148 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 68.3162, 0.4110, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 68.3162, 0.4110, 0.4148.



This preview shows how white text looks on a background with the Yxy color 68.3162, 0.4110, 0.4148.

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

68.3162, 0.4110, 0.4148

Protanopia

68.4510, 0.3908, 0.4252

Deuteranopia

68.4471, 0.3960, 0.3929



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.3162, 0.4110, 0.4148

Protanomaly

68.1239, 0.3985, 0.4212

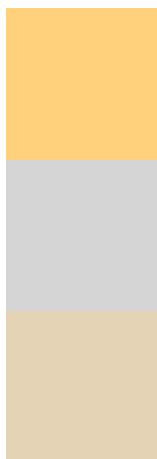
Deuteranomaly

68.2067, 0.4018, 0.4008

Tritanomaly

68.2588, 0.3704, 0.3540

Monochromacy



Original Color

68.3162, 0.4110, 0.4148

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.9171, 0.3471, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3162, 0.4110, 0.4148 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, 209, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 124)  
}
```

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, 209, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 124) }
```

Border

The CSS property to change the border of an element to Yxy 68.3162, 0.4110, 0.4148 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, 209, 124) }
```

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

```
.border{ border-color:rgb(255, 209, 124) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3162, 0.4110, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 124) }
```

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

```
.background{ background-color: rgb(255,  
209, 124) }
```

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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