

Converting Colors

$Y_{xy}(71.5480, 0.4038, 0.3634)$

Have a look what the booklet for
Yxy(71.5480, 0.4038, 0.3634)
contains.

Yxy(66.2542, 0.3832, 0.3666)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.2542, 0.3832, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAA6
RGB	255, 202, 166
RGB Percent	100%, 79%, 65%
CMY	0.0000, 0.2079, 0.3490
CMYK	0.00, 0.21, 0.35, 0.00
HSL	24°, 100%, 83%
HSV	24°, 35%, 100%
XYZ	69.2543, 66.2542, 45.2177
YIQ	213.7430, 43.1440, 0.0400

Conversions

Conversions Part 2

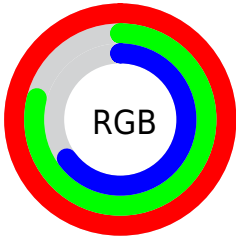
Format	Color
R _Y B	255, 226, 166
Decimal	16763558
CIE Lab	85.13, 14.04, 25.14
CIE LCh	85, 28.793, 60.824
Yxy	66.2542, 0.3832, 0.3666
Android (android.graphics.Color)	4294953638 (0xFFFFCAA6)
YUV	213.7430, -23.5373, 36.1824
Hunter-Lab	81.3967, 9.4279, 24.0408

Details

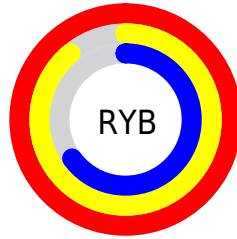
The Yxy color **66.2542, 0.3832, 0.3666** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66.0000, 0.2577, 0.2878**, and the grayscale version is **67.1986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **34.2650, 0.4005, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **58.6248, 0.4104, 0.3774**, and if you desaturate by 10%, it is **74.7626, 0.3592, 0.3554**.

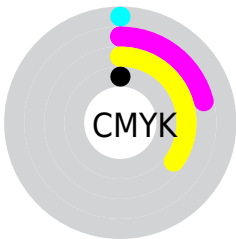
Distribution



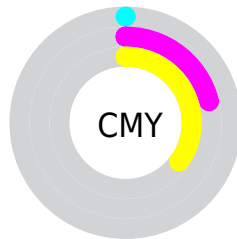
- Red (100%)
- Green (79%)
- Blue (65%)



- Red (100%)
- Yellow (89%)
- Blue (65%)



- Cyan (0%)
- Magenta (21%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2542, 0.3832, 0.3666 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 66.2542, 0.3832, 0.3666 by changing the saturation by 10% instead.


 66.2542, 0.3832,
0.3666


 66.2542, 0.3832,
0.3666


447.2854, 0.3499,
0.3499

 48.4788, 0.3909,
0.3702


 113.8511, 0.3715,
0.3610

 34.2062, 0.4005,
0.3745


 144.4414, 0.3670,
0.3587

 23.0521, 0.4127,
0.3796


180.0721, 0.3631,
0.3568

 14.6319, 0.4286,
0.3859

221.1276, 0.3598,
0.3551

 8.5615, 0.4501,
0.3935

267.9922, 0.3568,
0.3536

 4.4563, 0.4803,
0.4020

321.0505, 0.3542,

 1.9319, 0.5534,

0.3522

0.4319

380.6868, 0.3519,
0.3510

0.5675, 0.6087,
0.3913

0.0000, 0.0000,
0.0000

66.2542, 0.3832,
0.3666

66.2542, 0.3832,
0.3666

58.6248, 0.4104,
0.3774

74.7626, 0.3592,
0.3554

51.8554, 0.4404,
0.3870

84.1917, 0.3384,
0.3444

45.9087, 0.4725,
0.3942

94.5653, 0.3205,
0.3339

40.7487, 0.5048,
0.3977

100.0000, 0.3127,
0.3290

■ 36.3360, 0.5350,
0.3962

■ 32.6261, 0.5606,
0.3893

■ 30.9815, 0.5717,
0.3842

Harmonies

Analogous

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



66.2542, 0.3793, 0.3382



66.2542, 0.3832, 0.3666



66.2542, 0.3672, 0.3874

Triad

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



66.2542, 0.3832, 0.3666



66.2542, 0.2697, 0.3483



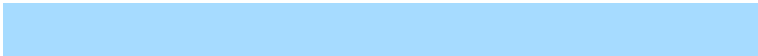
66.2542, 0.2861, 0.2724

Complementary

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



66.2542, 0.3832, 0.3666



66.0000, 0.2577, 0.2878

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.



66.2542, 0.2593, 0.2721



66.2542, 0.3832, 0.3666



66.2542, 0.2503, 0.3138

Square

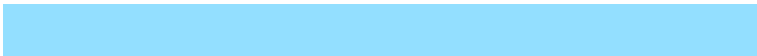
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.2542, 0.3832, 0.3666



66.2542, 0.3011, 0.3785



66.2542, 0.2467, 0.2863



66.2542, 0.3215, 0.2859

Rectangle

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



66.2542, 0.3832, 0.3666



66.2542, 0.3480, 0.3932



66.2542, 0.2467, 0.2863



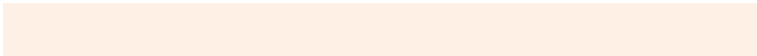
66.2542, 0.2759, 0.2707

Sweetspot

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



66.2501, 0.3832, 0.3666



89.1538, 0.3293, 0.3392



53.6711, 0.3464, 0.2746



18.7729, 0.3318, 0.3407



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.



66.2501, 0.3832, 0.3666



60.7457, 0.4021, 0.3744



89.9863, 0.3682, 0.4085



19.1927, 0.3284, 0.3387



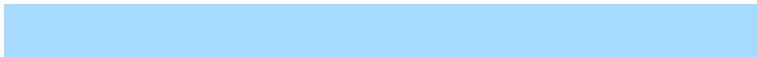
16.4627, 0.5688, 0.3865



1.8105, 0.5481, 0.4030

Inverse Universe

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



66.0000, 0.2577, 0.2878



60.4416, 0.2468, 0.2778



45.9517, 0.2505, 0.2345



19.1772, 0.2979, 0.3192



15.7894, 0.1863, 0.1905



1.7519, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 66.2542, 0.3832, 0.3666 looks on a white background.

Color Contrast Check

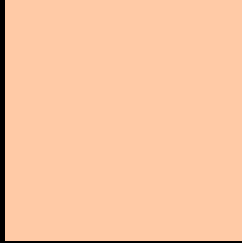
Large Text (above 18pt) WCAG AA × Fail

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 66.2542, 0.3832, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

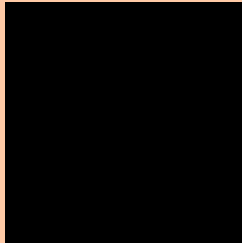
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2542, 0.3832, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 66.2542, 0.3832, 0.3666.



This preview shows how white text looks on a background with the Yxy color 66.2542, 0.3832, 0.3666.

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

66.2542, 0.3832, 0.3666

Protanopia

66.6975, 0.3525, 0.3762

Deuteranopia

66.0786, 0.3776, 0.3694



Tritanopia

66.3513, 0.3483, 0.3158

Trichromacy



Original Color

66.2542, 0.3832, 0.3666

Protanomaly

66.4700, 0.3639, 0.3728

Deuteranomaly

65.9743, 0.3795, 0.3681

Tritanomaly

66.0470, 0.3609, 0.3333

Monochromacy



Original Color

66.2542, 0.3832, 0.3666

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.7824, 0.3365, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2542, 0.3832, 0.3666 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 166) }
```

Border

The CSS property to change the border of an element to Yxy 66.2542, 0.3832, 0.3666 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, 166) }
```

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

```
.border{ border-color:rgb(255, 202, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2542, 0.3832, 0.3666 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
202, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor