

Converting Colors

$Y_{xy}(68.2728, 0.4051, 0.3812)$

Have a look what the booklet for
Yxy(68.2728, 0.4051, 0.3812)
contains.

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Color

Yxy(65.7031, 0.3957, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA96
RGB	255, 202, 150
RGB Percent	100%, 79%, 59%
CMY	0.0000, 0.2079, 0.4117
CMYK	0.00, 0.21, 0.41, 0.00
HSL	30°, 100%, 79%
HSV	30°, 41%, 100%
XYZ	67.8818, 65.7031, 37.9637
YIQ	211.9190, 48.2800, -4.9360

Conversions

Conversions Part 2

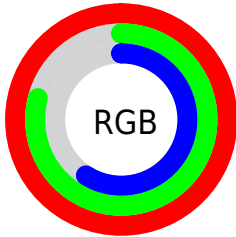
Format	Color
R_{YB}	255, 253, 150
Decimal	16763542
CIE _{Lab}	84.84, 12.26, 33.10
CIE _{LCh}	85, 35.300, 69.683
Yxy	65.7031, 0.3957, 0.3830
Android (android.graphics.Color)	4294953622 (0xFFFFCA96)
YUV	211.9190, -30.5261, 37.7820
Hunter-Lab	81.0574, 7.6347, 28.9714

Details

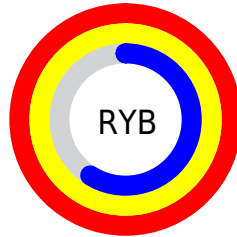
The Yxy color **65.7031, 0.3957, 0.3830** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.4322, 0.2462, 0.2672**, and the grayscale version is **65.9575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **33.8164, 0.4146, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **59.1690, 0.4219, 0.3954**, and if you desaturate by 10%, it is **72.9052, 0.3716, 0.3696**.

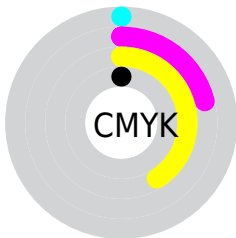
Distribution



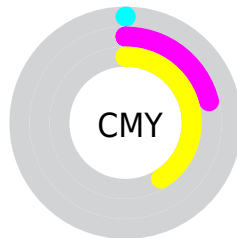
- Red (100%)
- Green (79%)
- Blue (59%)



- Red (100%)
- Yellow (99%)
- Blue (59%)



- Cyan (0%)
- Magenta (21%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7031, 0.3957, 0.3830 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 65.7031, 0.3957, 0.3830 by changing the saturation by 10% instead.


 65.7031, 0.3957,
0.3830

 65.7031, 0.3957,
0.3830


445.3143, 0.3567,
0.3590

 48.0314, 0.4046,
0.3881


 113.0601, 0.3821,
0.3749

 33.8518, 0.4156,
0.3942


 143.5142, 0.3768,
0.3717

 22.7798, 0.4293,
0.4014


178.9979, 0.3723,
0.3689

 14.4310, 0.4469,
0.4100

219.8956, 0.3684,
0.3664

 8.4210, 0.4699,
0.4199

266.5917, 0.3649,
0.3642

 4.3655, 0.5016,
0.4312

319.4706, 0.3618,

 1.8801, 0.5532,

0.3623

0.4468

378.9167, 0.3591,
0.3605

0.5363, 0.6013,
0.3987

0.0000, 0.0000,
0.0000

65.7031, 0.3957,
0.3830

65.7031, 0.3957,
0.3830

59.1690, 0.4219,
0.3954

72.9052, 0.3716,
0.3696

53.3014, 0.4497,
0.4058

80.8203, 0.3501,
0.3561

48.0671, 0.4777,
0.4129

89.4622, 0.3311,
0.3429

43.4377, 0.5044,
0.4153

98.8510, 0.3145,
0.3304

■ 39.3813, 0.5278,
0.4122

100.0000, 0.3127,
0.3290

■ 36.2397, 0.5451,
0.4054

Harmonies

Analogous

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



65.7031, 0.3989, 0.3499



65.7031, 0.3957, 0.3830



65.7031, 0.3694, 0.4050

Triad

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



65.7031, 0.3957, 0.3830



65.7031, 0.2513, 0.3396



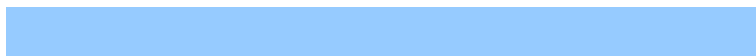
65.7031, 0.2919, 0.2639

Complementary

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



65.7031, 0.3957, 0.3830



56.4322, 0.2462, 0.2672

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.



65.7031, 0.2557, 0.2583



65.7031, 0.3957, 0.3830



65.7031, 0.2336, 0.2983

Square

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



65.7031, 0.3957, 0.3830



65.7031, 0.2856, 0.3811



65.7031, 0.2352, 0.2696



65.7031, 0.3365, 0.2841

Rectangle

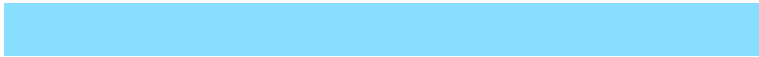
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.7031, 0.3957, 0.3830



65.7031, 0.3432, 0.4084



65.7031, 0.2352, 0.2696



65.7031, 0.2784, 0.2603

Sweetspot

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



65.6956, 0.3956, 0.3830



88.7174, 0.3326, 0.3440



47.4493, 0.3633, 0.2732



18.7403, 0.3350, 0.3457



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.



65.6956, 0.3956, 0.3830



60.5289, 0.4160, 0.3929



93.8711, 0.3751, 0.4297



19.4722, 0.3282, 0.3408



19.2339, 0.5425, 0.4074



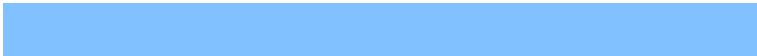
2.0909, 0.5247, 0.4215

Inverse Universe

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



56.4322, 0.2462, 0.2672



50.1756, 0.2337, 0.2529



36.0854, 0.2359, 0.2036



18.8939, 0.2979, 0.3169



12.2446, 0.1775, 0.1590



1.4108, 0.1832, 0.1795

Previews

White Background



This preview shows how the Yxy color 65.7031, 0.3957, 0.3830 looks on a white background.

Color Contrast Check

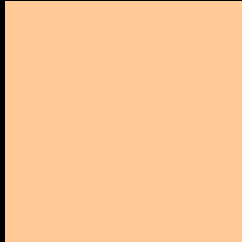
Large Text (above 18pt) WCAG AA × Fail

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 65.7031, 0.3957, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

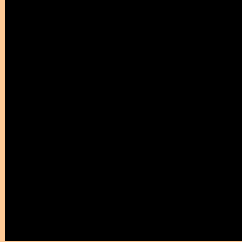
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7031, 0.3957, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 65.7031, 0.3957, 0.3830.



This preview shows how white text looks on a background with the Yxy color 65.7031, 0.3957, 0.3830.

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

65.7031, 0.3957, 0.3830

Protanopia

65.9140, 0.3667, 0.3939

Deuteranopia

65.6093, 0.3928, 0.3846



Tritanopia

65.8456, 0.3493, 0.3158

Trichromacy



Original Color

65.7031, 0.3957, 0.3830

Protanomaly

65.5888, 0.3770, 0.3890

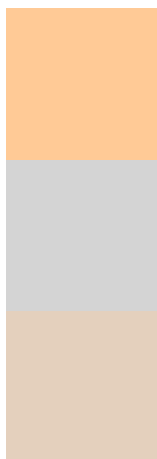
Deuteranomaly

65.7965, 0.3936, 0.3844

Tritanomaly

65.7377, 0.3665, 0.3406

Monochromacy



Original Color

65.7031, 0.3957, 0.3830

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.2799, 0.3419, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7031, 0.3957, 0.3830 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 150) }
```

Border

The CSS property to change the border of an element to Yxy 65.7031, 0.3957, 0.3830 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, 150) }
```

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

```
.border{ border-color:rgb(255, 202, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7031, 0.3957, 0.3830 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
202, 150) }
```

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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