

Converting Colors

$Y_{xy}(78.5230, 0.4281, 0.3881)$

Have a look what the booklet for
Yxy(78.5230, 0.4281, 0.3881)
contains.

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Color

Yxy(69.8929, 0.3954, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	FFD391
RGB	255, 211, 145
RGB Percent	100%, 83%, 57%
CMY	0.0000, 0.1725, 0.4314
CMYK	0.00, 0.17, 0.43, 0.00
HSL	36°, 100%, 78%
HSV	36°, 43%, 100%
XYZ	69.6463, 69.8929, 36.6022
YIQ	216.6320, 47.4100, -11.1980

Conversions

Conversions Part 2

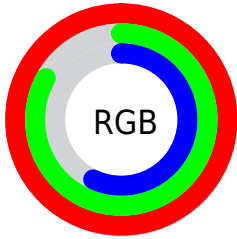
Format	Color
R _Y B	218, 255, 145
Decimal	16765841
CIE Lab	86.94, 7.05, 38.43
CIE LCh	87, 39.068, 79.609
Yxy	69.8929, 0.3954, 0.3968
Android (android.graphics.Color)	4294955921 (0xFFFFD391)
YUV	216.6320, -35.3146, 33.6487
Hunter-Lab	83.6020, 2.3996, 32.5633

Details

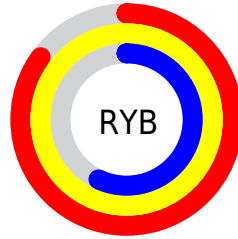
The Yxy color **69.8929, 0.3954, 0.3968** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.6266, 0.2405, 0.2491**, and the grayscale version is **69.3449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **36.6400, 0.4138, 0.4120** is the 20% darker color. If you saturate the color by 10%, you get **64.2870, 0.4187, 0.4113**, and if you desaturate by 10%, it is **76.0006, 0.3732, 0.3810**.

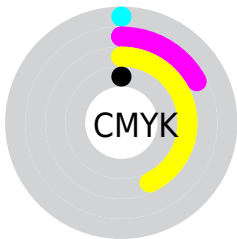
Distribution



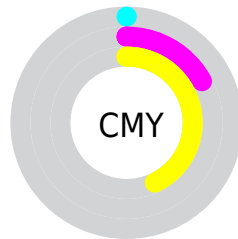
- Red (100%)
- Green (83%)
- Blue (57%)



- Red (85%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (17%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8929, 0.3954, 0.3968 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 69.8929, 0.3954, 0.3968 by changing the saturation by 10% instead.


 69.8929, 0.3954,
0.3968

 69.8929, 0.3954,
0.3968

460.1739, 0.3573,
0.3665

 51.4392, 0.4039,
0.4032


 119.0560, 0.3823,
0.3866

 36.5583, 0.4141,
0.4109


 150.5342, 0.3772,
0.3826

 24.8657, 0.4267,
0.4201


187.1228, 0.3728,
0.3790

 15.9770, 0.4425,
0.4311

229.2060, 0.3689,
0.3759

 9.5079, 0.4622,
0.4439

277.1683, 0.3655,
0.3732

 5.0739, 0.4891,
0.4600

331.3942, 0.3624,

 2.2907, 0.5236,

0.3707

0.4764

392.2679, 0.3597,
0.3685

0.7688, 0.5405,
0.4595

0.0000, 0.0000,
0.0000

69.8929, 0.3954,
0.3968

69.8929, 0.3954,
0.3968

64.2870, 0.4187,
0.4113

76.0006, 0.3732,
0.3810

59.1592, 0.4424,
0.4234

82.6211, 0.3528,
0.3648

54.4922, 0.4653,
0.4319

89.7717, 0.3342,
0.3489

50.2639, 0.4861,
0.4356

97.4673, 0.3176,
0.3336

■ 46.4491, 0.5037,
0.4339

100.0000, 0.3127,
0.3290

■ 44.0497, 0.5139,
0.4301

Harmonies

Analogous

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



69.8929, 0.4081, 0.3636



69.8929, 0.3954, 0.3968



69.8929, 0.3603, 0.4148

Triad

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



69.8929, 0.3954, 0.3968



69.8929, 0.2379, 0.3245



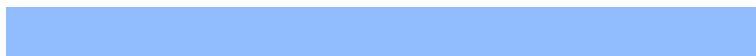
69.8929, 0.3056, 0.2646

Complementary

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



69.8929, 0.3954, 0.3968



49.6266, 0.2405, 0.2491

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.



69.8929, 0.2624, 0.2529



69.8929, 0.3954, 0.3968



69.8929, 0.2257, 0.2833

Square

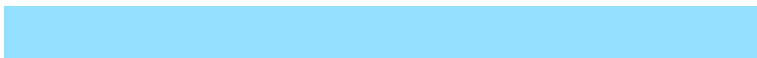
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8929, 0.3954, 0.3968



69.8929, 0.2694, 0.3719



69.8929, 0.2343, 0.2587



69.8929, 0.3542, 0.2904

Rectangle

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



69.8929, 0.3954, 0.3968



69.8929, 0.3299, 0.4128



69.8929, 0.2343, 0.2587



69.8929, 0.2899, 0.2590

Sweetspot

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



69.8948, 0.3954, 0.3968



89.8772, 0.3339, 0.3487



45.1809, 0.3799, 0.2834



18.8893, 0.3379, 0.3521



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.



69.8948, 0.3954, 0.3968



64.9028, 0.4160, 0.4098



92.7968, 0.3695, 0.4387



19.8003, 0.3279, 0.3432



23.3171, 0.5120, 0.4317



2.4842, 0.4985, 0.4424

Inverse Universe

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



49.6266, 0.2405, 0.2491



42.2139, 0.2254, 0.2290



34.5339, 0.2387, 0.1968



18.5699, 0.2979, 0.3143



9.0084, 0.1683, 0.1258



1.0839, 0.1745, 0.1482

Previews

White Background



This preview shows how the Yxy color 69.8929, 0.3954, 0.3968 looks on a white background.

Color Contrast Check

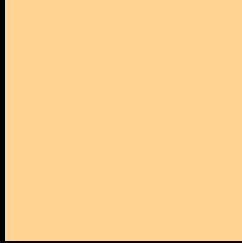
Large Text (above 18pt) WCAG AA × Fail

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 69.8929, 0.3954, 0.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

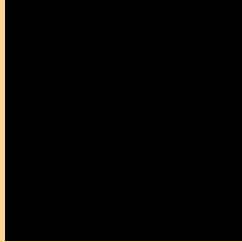
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8929, 0.3954, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 69.8929, 0.3954, 0.3968.



This preview shows how white text looks on a background with the Yxy color 69.8929, 0.3954, 0.3968.

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

69.8929, 0.3954, 0.3968

Protanopia

70.1138, 0.3752, 0.4047

Deuteranopia

69.8913, 0.3848, 0.3808



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

69.8929, 0.3954, 0.3968

Protanomaly

69.7621, 0.3827, 0.4013

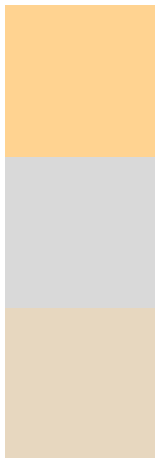
Deuteranomaly

69.7197, 0.3885, 0.3859

Tritanomaly

69.6472, 0.3621, 0.3457

Monochromacy



Original Color

69.8929, 0.3954, 0.3968

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3514, 0.3415, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8929, 0.3954, 0.3968 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, 211, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 145)  
}
```

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, 211, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 145) }
```

Border

The CSS property to change the border of an element to Yxy 69.8929, 0.3954, 0.3968 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, 211, 145) }
```

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

```
.border{ border-color:rgb(255, 211, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8929, 0.3954, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 145) }
```

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

```
.background{ background-color: rgb(255,  
211, 145) }
```

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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