

Converting Colors

$Y_{xy}(72.6252, 0.4112, 0.3988)$

Have a look what the booklet for
Yxy(72.6252, 0.4112, 0.3988)
contains.

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Color

Yxy(69.7126, 0.3996, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	FFD38B
RGB	255, 211, 139
RGB Percent	100%, 83%, 55%
CMY	0.0001, 0.1725, 0.4547
CMYK	0.00, 0.17, 0.45, 0.00
HSL	37°, 100%, 77%
HSV	37°, 45%, 100%
XYZ	69.1931, 69.7126, 34.2503
YIQ	215.9480, 49.3360, -13.0640

Conversions

Conversions Part 2

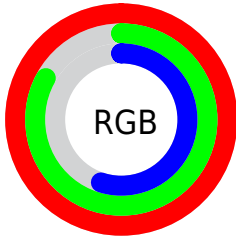
Format	Color
R _Y B	210, 255, 139
Decimal	16765835
CIE Lab	86.86, 6.45, 41.32
CIE LCh	87, 41.819, 81.130
Yxy	69.7126, 0.3996, 0.4026
Android (android.graphics.Color)	4294955915 (0xFFFFD38B)
YUV	215.9480, -37.9354, 34.2486
Hunter-Lab	83.4941, 1.8117, 34.1244

Details

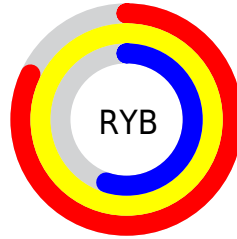
The Yxy color **69.7126, 0.3996, 0.4026** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.5864, 0.2360, 0.2409**, and the grayscale version is **68.8736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **36.5543, 0.4181, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **64.3929, 0.4224, 0.4171**, and if you desaturate by 10%, it is **75.5018, 0.3776, 0.3865**.

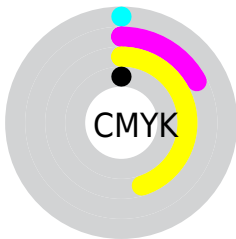
Distribution



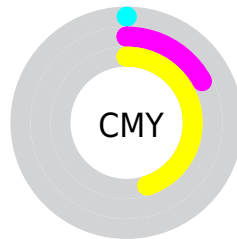
- Red (100%)
- Green (83%)
- Blue (55%)



- Red (82%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (17%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (17%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7126, 0.3996, 0.4026 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 69.7126, 0.3996, 0.4026 by changing the saturation by 10% instead.

 69.7126, 0.3996,
0.4026


 69.7126, 0.3996,
0.4026


459.5402, 0.3597,
0.3698


 51.2923, 0.4084,
0.4095


 118.7988, 0.3860,
0.3916

 36.4413, 0.4189,
0.4177

 150.2335, 0.3806,
0.3872

 24.7752, 0.4319,
0.4275


 186.7751, 0.3760,
0.3834

 15.9096, 0.4478,
0.4390

228.8079, 0.3719,
0.3800

 9.4602, 0.4674,
0.4522

276.7165, 0.3683,
0.3770

 5.0426, 0.4963,
0.4711

330.8851, 0.3651,

 2.2723, 0.5207,

0.3744

0.4793

391.6982, 0.3623,
0.3720

0.7590, 0.5367,
0.4633

0.0000, 0.0000,
0.0000

69.7126, 0.3996,
0.4026

69.7126, 0.3996,
0.4026

64.3929, 0.4224,
0.4171

75.5018, 0.3776,
0.3865

59.5157, 0.4452,
0.4289

81.7667, 0.3571,
0.3699

55.0651, 0.4668,
0.4368

88.5256, 0.3382,
0.3533

51.0196, 0.4859,
0.4397

95.7924, 0.3212,
0.3374

■ 47.3538, 0.5017,
0.4373

99.9974, 0.3127,
0.3290

■ 45.8039, 0.5080,
0.4348

Harmonies

Analogous

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



69.7126, 0.4149, 0.3674



69.7126, 0.3996, 0.4026



69.7126, 0.3610, 0.4213

Triad

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



69.7126, 0.3996, 0.4026



69.7126, 0.2317, 0.3214



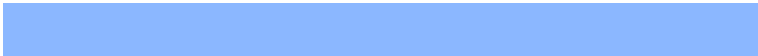
69.7126, 0.3075, 0.2616

Complementary

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



69.7126, 0.3996, 0.4026



46.5864, 0.2360, 0.2409

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.



69.7126, 0.2609, 0.2483



69.7126, 0.3996, 0.4026



69.7126, 0.2200, 0.2780

Square

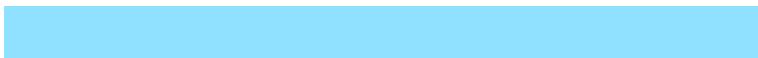
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7126, 0.3996, 0.4026



69.7126, 0.2641, 0.3727



69.7126, 0.2302, 0.2531



69.7126, 0.3595, 0.2895

Rectangle

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



69.7126, 0.3996, 0.4026



69.7126, 0.3282, 0.4184



69.7126, 0.2302, 0.2531



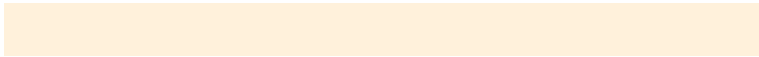
69.7126, 0.2907, 0.2553

Sweetspot

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



69.7159, 0.3996, 0.4026



89.5731, 0.3356, 0.3510



43.1740, 0.3873, 0.2830



18.8476, 0.3395, 0.3545



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.



69.7159, 0.3996, 0.4026



64.6412, 0.4213, 0.4165



92.1584, 0.3709, 0.4448



19.8653, 0.3279, 0.3437



24.2336, 0.5061, 0.4363



2.5704, 0.4936, 0.4463

Inverse Universe

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



46.5864, 0.2360, 0.2409



38.8332, 0.2196, 0.2182



32.4269, 0.2352, 0.1891



18.5069, 0.2979, 0.3138



8.4775, 0.1666, 0.1199



1.0280, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 69.7126, 0.3996, 0.4026 looks on a white background.

Color Contrast Check

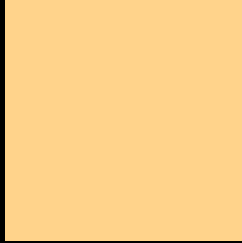
Large Text (above 18pt) WCAG AA × Fail

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 69.7126, 0.3996, 0.4026 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 69.7126, 0.3996, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 69.7126, 0.3996, 0.4026.



This preview shows how white text looks on a background with the Yxy color 69.7126, 0.3996, 0.4026.

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

69.7126, 0.3996, 0.4026

Protanopia

70.1003, 0.3801, 0.4107

Deuteranopia

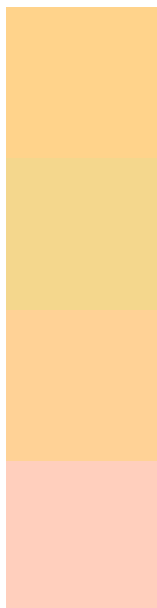
69.7875, 0.3870, 0.3838



Tritanopia

69.4555, 0.3427, 0.3159

Trichromacy



Original Color

69.7126, 0.3996, 0.4026

Protanomaly

69.7571, 0.3876, 0.4071

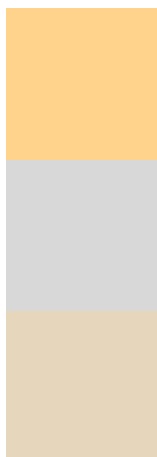
Deuteranomaly

69.5552, 0.3922, 0.3909

Tritanomaly

69.5598, 0.3636, 0.3477

Monochromacy



Original Color

69.7126, 0.3996, 0.4026

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.5470, 0.3431, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7126, 0.3996, 0.4026 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 139) }
```

Border

The CSS property to change the border of an element to Yxy 69.7126, 0.3996, 0.4026 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, 139) }
```

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

```
.border{ border-color:rgb(255, 211, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7126, 0.3996, 0.4026 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, 139) }
```

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

```
.background{ background-color: rgb(255,  
211, 139) }
```

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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