

Converting Colors

$Y_{xy}(63.7327, 0.4038, 0.3878)$

Have a look what the booklet for
Yxy(63.7327, 0.4038, 0.3878)
contains.

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Color

Yxy(63.6012, 0.4037, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	FFC68E
RGB	255, 198, 142
RGB Percent	100%, 78%, 56%
CMY	0.0000, 0.2236, 0.4431
CMYK	0.00, 0.22, 0.44, 0.00
HSL	30°, 100%, 78%
HSV	30°, 44%, 100%
XYZ	66.3286, 63.6012, 34.3719
YIQ	208.6590, 51.9480, -5.3320

Conversions

Conversions Part 2

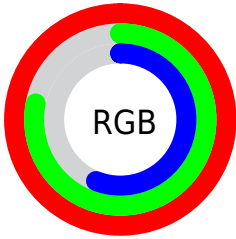
Format	Color
R _Y B	255, 253, 142
Decimal	16762510
CIE Lab	83.76, 13.51, 35.82
CIE LCh	84, 38.279, 69.338
Yxy	63.6012, 0.4037, 0.3871
Android (android.graphics.Color)	4294952590 (0xFFFFC68E)
YUV	208.6590, -32.8629, 40.6411
Hunter-Lab	79.7504, 8.8958, 30.2716

Details

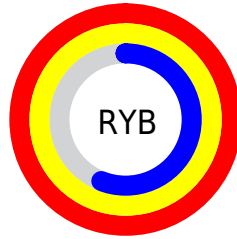
The Yxy color **63.6012, 0.4037, 0.3871** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.8245, 0.2411, 0.2615**, and the grayscale version is **63.7141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **32.4376, 0.4254, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **57.2820, 0.4305, 0.3990**, and if you desaturate by 10%, it is **70.5848, 0.3789, 0.3739**.

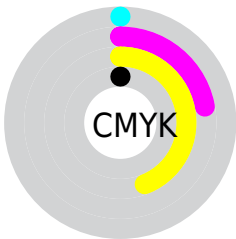
Distribution



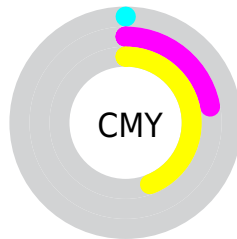
- Red (100%)
- Green (78%)
- Blue (56%)



- Red (100%)
- Yellow (99%)
- Blue (56%)



- Cyan (0%)
- Magenta (22%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6012, 0.4037, 0.3871 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 63.6012, 0.4037, 0.3871 by changing the saturation by 10% instead.

 63.6012, 0.4037,
0.3871


 63.6012, 0.4037,
0.3871

437.7481, 0.3608,
0.3614

 46.3277, 0.4135,
0.3925


 110.0364, 0.3888,
0.3785

 32.5045, 0.4255,
0.3988


 139.9669, 0.3830,
0.3751

 21.7472, 0.4406,
0.4063


174.8853, 0.3780,
0.3721

 13.6712, 0.4597,
0.4149

215.1758, 0.3736,
0.3694

 7.8924, 0.4844,
0.4243

261.2230, 0.3698,
0.3671

 4.0261, 0.5228,
0.4381

313.4112, 0.3664,

 1.6882, 0.5621,

0.3649

0.4379

372.1247, 0.3634,
0.3631

0.4160, 0.6354,
0.3646

0.0000, 0.0000,
0.0000

63.6012, 0.4037,
0.3871

63.6012, 0.4037,
0.3871

57.2820, 0.4305,
0.3990

70.5848, 0.3789,
0.3739

51.6183, 0.4585,
0.4085

78.2713, 0.3566,
0.3604

46.5785, 0.4863,
0.4143

86.6771, 0.3368,
0.3470

42.1334, 0.5121,
0.4150

95.8227, 0.3195,
0.3343

■ 38.2493, 0.5341,
0.4102

100.0000, 0.3127,
0.3290

■ 36.2694, 0.5450,
0.4055

Harmonies

Analogous

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



63.6012, 0.4072, 0.3508



63.6012, 0.4037, 0.3871



63.6012, 0.3748, 0.4120

Triad

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



63.6012, 0.4037, 0.3871



63.6012, 0.2460, 0.3410



63.6012, 0.2893, 0.2581

Complementary

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



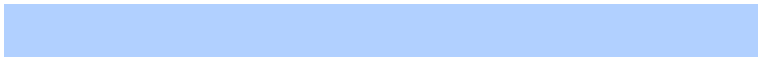
63.6012, 0.4037, 0.3871



53.8245, 0.2411, 0.2615

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.



63.6012, 0.2501, 0.2520



63.6012, 0.4037, 0.3871



63.6012, 0.2267, 0.2954

Square

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



63.6012, 0.4037, 0.3871



63.6012, 0.2833, 0.3870



63.6012, 0.2282, 0.2643



63.6012, 0.3381, 0.2798

Rectangle

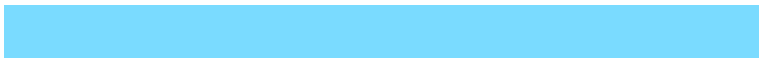
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6012, 0.4037, 0.3871



63.6012, 0.3462, 0.4164



63.6012, 0.2282, 0.2643



63.6012, 0.2746, 0.2542

Sweetspot

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



63.5960, 0.4037, 0.3871



87.8349, 0.3344, 0.3453



44.7950, 0.3687, 0.2691



18.3851, 0.3385, 0.3482



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.



63.5960, 0.4037, 0.3871



58.0731, 0.4269, 0.3976



93.5374, 0.3795, 0.4367



19.4736, 0.3282, 0.3408



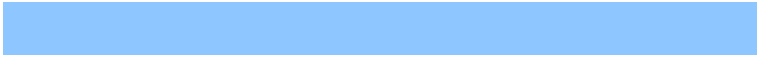
19.2495, 0.5424, 0.4075



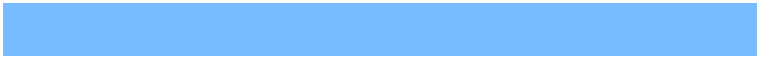
2.0925, 0.5246, 0.4216

Inverse Universe

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



53.8245, 0.2411, 0.2615



47.1853, 0.2275, 0.2453



32.8831, 0.2291, 0.1924



18.8925, 0.2979, 0.3169



12.2286, 0.1775, 0.1589



1.4092, 0.1832, 0.1793

Previews

White Background



This preview shows how the Yxy color 63.6012, 0.4037, 0.3871 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 63.6012, 0.4037, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

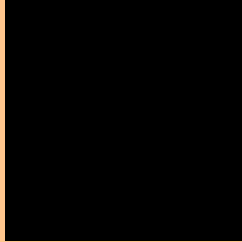
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6012, 0.4037, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 63.6012, 0.4037, 0.3871.



This preview shows how white text looks on a background with the Yxy color 63.6012, 0.4037, 0.3871.

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

63.6012, 0.4037, 0.3871

Protanopia

63.8763, 0.3712, 0.3990

Deuteranopia

63.5855, 0.3986, 0.3901



Tritanopia

63.3671, 0.3543, 0.3157

Trichromacy



Original Color

63.6012, 0.4037, 0.3871

Protanomaly

63.7115, 0.3833, 0.3947

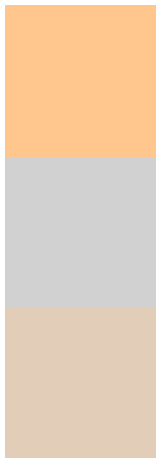
Deuteranomaly

63.4953, 0.4007, 0.3887

Tritanomaly

63.2210, 0.3728, 0.3417

Monochromacy



Original Color

63.6012, 0.4037, 0.3871

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.3342, 0.3439, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6012, 0.4037, 0.3871 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, 198, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 142)  
}
```

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, 198, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 142) }
```

Border

The CSS property to change the border of an element to Yxy 63.6012, 0.4037, 0.3871 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, 198, 142) }
```

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

```
.border{ border-color:rgb(255, 198, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6012, 0.4037, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 142) }
```

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

```
.background{ background-color: rgb(255,  
198, 142) }
```

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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