

Converting Colors

$Y_{xy}(76.1306, 0.4937, 0.3536)$

Have a look what the booklet for
Yxy(76.1306, 0.4937, 0.3536)
contains.

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Color

Yxy(52.5712, 0.4211, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	FFAC89
RGB	255, 172, 137
RGB Percent	100%, 67%, 54%
CMY	0.0000, 0.3255, 0.4627
CMYK	0.00, 0.33, 0.46, 0.00
HSL	18°, 100%, 77%
HSV	18°, 46%, 100%
XYZ	60.5187, 52.5712, 30.6258
YIQ	192.8270, 60.7030, 6.7110

Conversions

Conversions Part 2

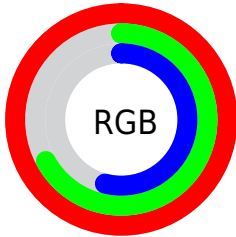
Format	Color
R _Y B	255, 187, 137
Decimal	16755849
CIE Lab	77.62, 26.61, 30.38
CIE LCh	78, 40.383, 48.779
Yxy	52.5712, 0.4211, 0.3658
Android (android.graphics.Color)	4294945929 (0xFFFFAC89)
YUV	192.8270, -27.5227, 54.5257
Hunter-Lab	72.5060, 22.1033, 25.7107

Details

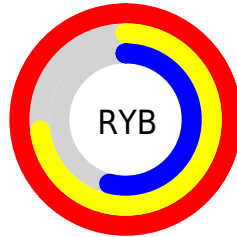
The Yxy color **52.5712, 0.4211, 0.3658** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.7346, 0.2433, 0.2874**, and the grayscale version is **53.3543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5084, 0.3570, 0.3666**, and **25.4839, 0.4492, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **45.5457, 0.4555, 0.3724**, and if you desaturate by 10%, it is **60.6820, 0.3905, 0.3579**.

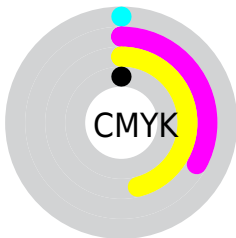
Distribution



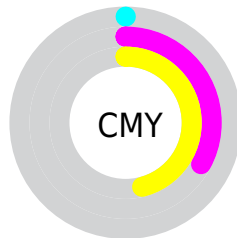
- Red (100%)
- Green (67%)
- Blue (54%)



- Red (100%)
- Yellow (73%)
- Blue (54%)



- Cyan (0%)
- Magenta (33%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5712, 0.4211, 0.3658 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 52.5712, 0.4211, 0.3658 by changing the saturation by 10% instead.


 52.5712, 0.4211,
0.3658


 52.5712, 0.4211,
0.3658


396.6378, 0.3677,
0.3504


 37.4606, 0.4339,
0.3687


 93.9731, 0.4020,
0.3609

 25.5643, 0.4500,
0.3718


 121.0331, 0.3948,
0.3589

 16.4980, 0.4706,
0.3750

 152.8451, 0.3886,
0.3570

 9.8772, 0.4978,
0.3777

189.7934, 0.3833,
0.3554

 5.3176, 0.5346,
0.3781

232.2625, 0.3786,
0.3539

 2.4348, 0.6118,
0.3882

280.6366, 0.3746,

 0.8437, 0.6562,

0.3526

0.3438

335.3003, 0.3710,
0.3514

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.5712, 0.4211,
0.3658

52.5712, 0.4211,
0.3658

45.5457, 0.4555,
0.3724

60.6820, 0.3905,
0.3579

39.5705, 0.4926,
0.3768

69.9381, 0.3642,
0.3497

34.5879, 0.5301,
0.3775

80.3777, 0.3418,
0.3415

30.5394, 0.5644,
0.3737

92.0416, 0.3230,
0.3336

■ 27.3589, 0.5918,
0.3652

100.0000, 0.3127,
0.3290

■ 26.3740, 0.6003,
0.3615

Harmonies

Analogous

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



52.5712, 0.4031, 0.3233



52.5712, 0.4211, 0.3658



52.5712, 0.4069, 0.4040

Triad

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



52.5712, 0.4211, 0.3658



52.5712, 0.2646, 0.3796



52.5712, 0.2546, 0.2436

Complementary

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



52.5712, 0.4211, 0.3658



63.7346, 0.2433, 0.2874

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.



52.5712, 0.2240, 0.2500



52.5712, 0.4211, 0.3658



52.5712, 0.2290, 0.3248

Square

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



52.5712, 0.4211, 0.3658



52.5712, 0.3150, 0.4191



52.5712, 0.2151, 0.2777



52.5712, 0.3028, 0.2562

Rectangle

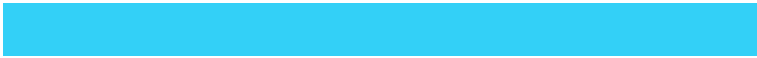
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.5712, 0.4211, 0.3658



52.5712, 0.3826, 0.4216



52.5712, 0.2151, 0.2777



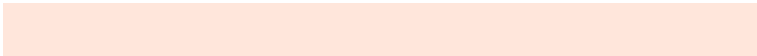
52.5712, 0.2422, 0.2435

Sweetspot

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



52.5665, 0.4211, 0.3658



82.9194, 0.3372, 0.3396



44.4036, 0.3483, 0.2443



17.2313, 0.3416, 0.3414



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.



52.5665, 0.4211, 0.3658



45.7229, 0.4545, 0.3723



79.3456, 0.3924, 0.4213



18.8646, 0.3287, 0.3361



14.0055, 0.5974, 0.3638



1.5440, 0.5753, 0.3814

Inverse Universe

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



63.7346, 0.2433, 0.2874



58.0974, 0.2310, 0.2769



38.5810, 0.2301, 0.2145



19.5185, 0.2980, 0.3218



20.9752, 0.1970, 0.2291



2.2327, 0.2005, 0.2419

Previews

White Background



This preview shows how the Yxy color 52.5712, 0.4211, 0.3658 looks on a white background.

Color Contrast Check

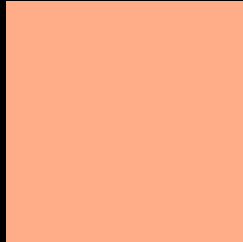
Large Text (above 18pt) WCAG AA × Fail

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 52.5712, 0.4211, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

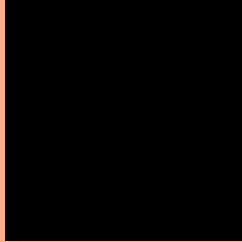
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5712, 0.4211, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 52.5712, 0.4211, 0.3658.



This preview shows how white text looks on a background with the Yxy color 52.5712, 0.4211, 0.3658.

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

52.5712, 0.4211, 0.3658

Protanopia

52.8964, 0.3608, 0.3856

Deuteranopia

52.6883, 0.3936, 0.3852



Tritanopia

52.5606, 0.3824, 0.3166

Trichromacy



Original Color

52.5712, 0.4211, 0.3658

Protanomaly

52.5284, 0.3819, 0.3782

Deuteranomaly

52.5972, 0.4027, 0.3781

Tritanomaly

52.3163, 0.3973, 0.3345

Monochromacy



Original Color

52.5712, 0.4211, 0.3658

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.3140, 0.3493, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5712, 0.4211, 0.3658 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, 172, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 137)  
}
```

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, 172, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 137) }
```

Border

The CSS property to change the border of an element to Yxy 52.5712, 0.4211, 0.3658 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, 172, 137) }
```

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

```
.border{ border-color:rgb(255, 172, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5712, 0.4211, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 137) }
```

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

```
.background{ background-color: rgb(255,  
172, 137) }
```

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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