

Converting Colors

$Y_{xy}(55.4231, 0.4359, 0.3604)$

Have a look what the booklet for
Yxy(55.4231, 0.4359, 0.3604)
contains.

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Color

Yxy(51.8444, 0.4212, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA8A
RGB	255, 170, 138
RGB Percent	100%, 67%, 54%
CMY	0.0000, 0.3333, 0.4587
CMYK	0.00, 0.33, 0.46, 0.00
HSL	16°, 100%, 77%
HSV	16°, 46%, 100%
XYZ	60.2064, 51.8444, 30.8894
YIQ	191.7670, 60.9320, 8.0680

Conversions

Conversions Part 2

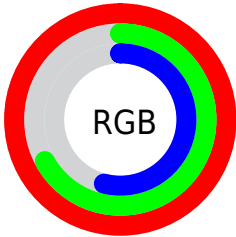
Format	Color
R_{YB}	255, 182, 138
Decimal	16755338
CIE _{Lab}	77.19, 27.74, 29.25
CIE _{LCh}	77, 40.313, 46.523
Y _{xy}	51.8444, 0.4212, 0.3627
Android (android.graphics.Color)	4294945418 (0xFFFFAA8A)
YUV	191.7670, -26.5071, 55.4553
Hunter-Lab	72.0031, 23.2500, 24.9667

Details

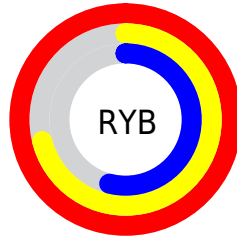
The Yxy color **51.8444, 0.4212, 0.3627** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.4174, 0.2445, 0.2911**, and the grayscale version is **52.7012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4585, 0.3567, 0.3636**, and **25.0293, 0.4497, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **44.7263, 0.4563, 0.3688**, and if you desaturate by 10%, it is **60.1168, 0.3902, 0.3554**.

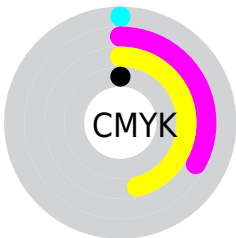
Distribution



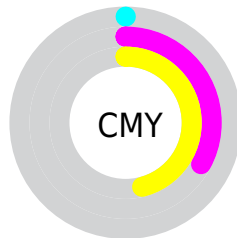
- Red (100%)
- Green (67%)
- Blue (54%)



- Red (100%)
- Yellow (71%)
- 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 51.8444, 0.4212, 0.3627 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 51.8444, 0.4212, 0.3627 by changing the saturation by 10% instead.


 51.8444, 0.4212,
0.3627


 51.8444, 0.4212,
0.3627


393.8356, 0.3676,
0.3487


 36.8811, 0.4341,
0.3653


 92.9017, 0.4020,
0.3583

 25.1154, 0.4504,
0.3680


 119.7645, 0.3947,
0.3565

 16.1631, 0.4713,
0.3707


 151.3625, 0.3885,
0.3548

 9.6396, 0.4991,
0.3727

188.0803, 0.3832,
0.3533

 5.1607, 0.5369,
0.3724

230.3020, 0.3785,
0.3520

 2.3418, 0.6153,
0.3804

278.4122, 0.3744,

 0.7957, 0.6655,

0.3508

0.3345

332.7953, 0.3708,
0.3497

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.8444, 0.4212,
0.3627

51.8444, 0.4212,
0.3627

44.7263, 0.4563,
0.3688

60.1168, 0.3902,
0.3554

38.7069, 0.4944,
0.3728

69.5905, 0.3636,
0.3478

33.7296, 0.5330,
0.3733

80.3128, 0.3411,
0.3402

29.7310, 0.5684,
0.3695

92.3277, 0.3223,
0.3330

■ 26.6396, 0.5963,
0.3613

100.0000, 0.3127,
0.3290

■ 25.6023, 0.6057,
0.3572

Harmonies

Analogous

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



51.8444, 0.4008, 0.3201



51.8444, 0.4212, 0.3627



51.8444, 0.4093, 0.4017

Triad

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



51.8444, 0.4212, 0.3627



51.8444, 0.2679, 0.3836



51.8444, 0.2515, 0.2431

Complementary

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



51.8444, 0.4212, 0.3627



65.4174, 0.2445, 0.2911

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.



51.8444, 0.2224, 0.2512



51.8444, 0.4212, 0.3627



51.8444, 0.2308, 0.3289

Square

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



51.8444, 0.4212, 0.3627



51.8444, 0.3191, 0.4212



51.8444, 0.2151, 0.2805



51.8444, 0.2987, 0.2545

Rectangle

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



51.8444, 0.4212, 0.3627



51.8444, 0.3860, 0.4203



51.8444, 0.2151, 0.2805



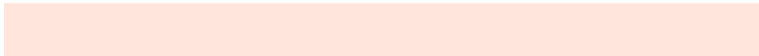
51.8444, 0.2395, 0.2435

Sweetspot

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



51.8452, 0.4212, 0.3627



82.4607, 0.3373, 0.3388



44.8170, 0.3461, 0.2432



17.1205, 0.3417, 0.3404



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.



51.8452, 0.4212, 0.3627



45.3015, 0.4531, 0.3684



78.4216, 0.3925, 0.4188



18.7948, 0.3288, 0.3356



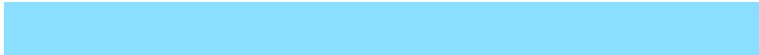
13.5891, 0.6029, 0.3595



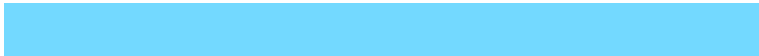
1.4958, 0.5809, 0.3769

Inverse Universe

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



65.4174, 0.2445, 0.2911



60.3024, 0.2331, 0.2821



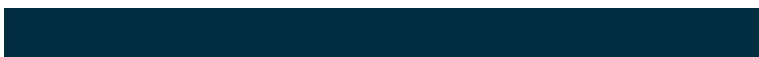
39.6528, 0.2314, 0.2182



19.5924, 0.2980, 0.3223



22.2316, 0.1993, 0.2374



2.3469, 0.2025, 0.2491

Previews

White Background



This preview shows how the Yxy color 51.8444, 0.4212, 0.3627 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 51.8444, 0.4212, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

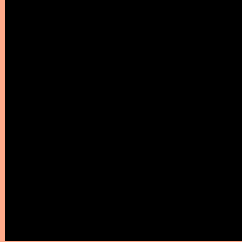
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8444, 0.4212, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 51.8444, 0.4212, 0.3627.



This preview shows how white text looks on a background with the Yxy color 51.8444, 0.4212, 0.3627.

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

51.8444, 0.4212, 0.3627

Protanopia

52.2056, 0.3585, 0.3835

Deuteranopia

51.9754, 0.3914, 0.3834



Tritanopia

51.7468, 0.3849, 0.3166

Trichromacy



Original Color

51.8444, 0.4212, 0.3627

Protanomaly

51.5686, 0.3810, 0.3749

Deuteranomaly

51.6515, 0.4019, 0.3750

Tritanomaly

51.5418, 0.3990, 0.3335

Monochromacy



Original Color

51.8444, 0.4212, 0.3627

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.7066, 0.3494, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8444, 0.4212, 0.3627 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, 170, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 138)  
}
```

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, 170, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 138) }
```

Border

The CSS property to change the border of an element to Yxy 51.8444, 0.4212, 0.3627 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, 170, 138) }
```

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

```
.border{ border-color:rgb(255, 170, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8444, 0.4212, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 138) }
```

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

```
.background{ background-color: rgb(255,  
170, 138) }
```

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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