

Converting Colors

$Y_{xy}(55.5428, 0.4322, 0.3565)$

Have a look what the booklet for
Yxy(55.5428, 0.4322, 0.3565)
contains.

Yxy(51.9624, 0.4175, 0.3586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.9624, 0.4175, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA8E
RGB	255, 170, 142
RGB Percent	100%, 67%, 56%
CMY	0.0000, 0.3333, 0.4430
CMYK	0.00, 0.33, 0.44, 0.00
HSL	15°, 100%, 78%
HSV	15°, 44%, 100%
XYZ	60.4972, 51.9624, 32.4439
YIQ	192.2230, 59.6480, 9.3120

Conversions

Conversions Part 2

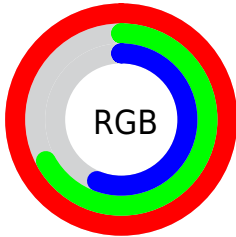
Format	Color
R _Y B	255, 179, 142
Decimal	16755342
CIE Lab	77.26, 28.12, 27.21
CIE LCh	77, 39.130, 44.050
Yxy	51.9624, 0.4175, 0.3586
Android (android.graphics.Color)	4294945422 (0xFFFFAA8E)
YUV	192.2230, -24.7599, 55.0554
Hunter-Lab	72.0849, 23.6573, 23.7743

Details

The Yxy color **51.9624, 0.4175, 0.3586** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **67.9203, 0.2472, 0.2962**, and the grayscale version is **52.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6382, 0.3539, 0.3595**, and **25.2137, 0.4472, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **44.6086, 0.4529, 0.3643**, and if you desaturate by 10%, it is **60.5461, 0.3865, 0.3519**.

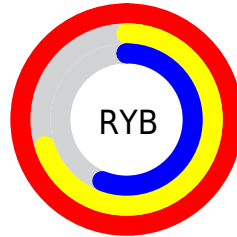
Distribution



Red (100%)

Green (67%)

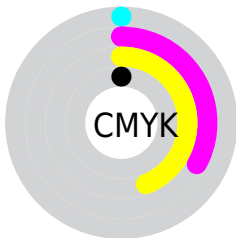
Blue (56%)



Red (100%)

Yellow (70%)

Blue (56%)

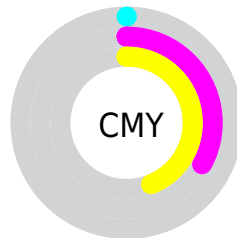


Cyan (0%)

Magenta (33%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9624, 0.4175, 0.3586 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 51.9624, 0.4175, 0.3586 by changing the saturation by 10% instead.


 51.9624, 0.4175,
0.3586


 51.9624, 0.4175,
0.3586


394.2914, 0.3657,
0.3464

 36.9751, 0.4300,
0.3608


 93.0758, 0.3989,
0.3548

 25.1882, 0.4459,
0.3632


 119.9707, 0.3919,
0.3532

 16.2173, 0.4663,
0.3655


151.6035, 0.3859,
0.3517

 9.6781, 0.4936,
0.3671

188.3588, 0.3807,
0.3504

 5.1860, 0.5311,
0.3666

230.6208, 0.3762,
0.3493

 2.3568, 0.6020,
0.3700

278.7740, 0.3723,

 0.8035, 0.6669,

0.3482

0.3331

333.2027, 0.3688,
0.3473

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.9624, 0.4175,
0.3586

51.9624, 0.4175,
0.3586

44.6086, 0.4529,
0.3643

60.5461, 0.3865,
0.3519

38.4195, 0.4918,
0.3681

70.4055, 0.3602,
0.3449

33.3357, 0.5317,
0.3689

81.5933, 0.3381,
0.3381

29.2886, 0.5687,
0.3656

94.1571, 0.3197,
0.3316

■ 26.2011, 0.5983,
0.3581

99.9988, 0.3127,
0.3290

■ 24.8307, 0.6113,
0.3528

Harmonies

Analogous

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



51.9624, 0.3952, 0.3172



51.9624, 0.4175, 0.3586



51.9624, 0.4085, 0.3971

Triad

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



51.9624, 0.4175, 0.3586



51.9624, 0.2730, 0.3857



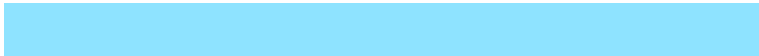
51.9624, 0.2501, 0.2453

Complementary

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



51.9624, 0.4175, 0.3586



67.9203, 0.2472, 0.2962

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.



51.9624, 0.2234, 0.2550



51.9624, 0.4175, 0.3586



51.9624, 0.2353, 0.3334

Square

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



51.9624, 0.4175, 0.3586



51.9624, 0.3234, 0.4198



51.9624, 0.2182, 0.2853



51.9624, 0.2949, 0.2549

Rectangle

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



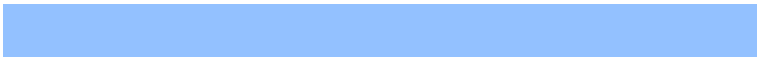
51.9624, 0.4175, 0.3586



51.9624, 0.3873, 0.4160



51.9624, 0.2182, 0.2853



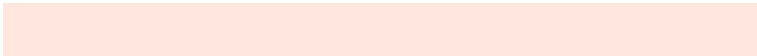
51.9624, 0.2390, 0.2463

Sweetspot

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



51.9650, 0.4175, 0.3586



83.1530, 0.3355, 0.3372



46.2507, 0.3410, 0.2426



17.2361, 0.3399, 0.3387



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.



51.9650, 0.4175, 0.3586



45.5004, 0.4481, 0.3637



76.9929, 0.3912, 0.4126



18.7177, 0.3288, 0.3350



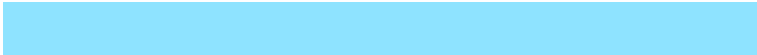
13.1712, 0.6086, 0.3550



1.4460, 0.5869, 0.3722

Inverse Universe

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



67.9203, 0.2472, 0.2962



63.1946, 0.2364, 0.2885



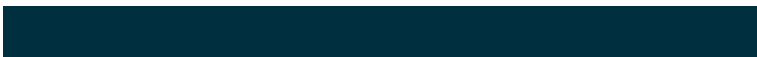
42.5368, 0.2352, 0.2274



19.6745, 0.2980, 0.3230



23.6841, 0.2018, 0.2466



2.4781, 0.2048, 0.2571

Previews

White Background



This preview shows how the Yxy color 51.9624, 0.4175, 0.3586 looks on a white background.

Color Contrast Check

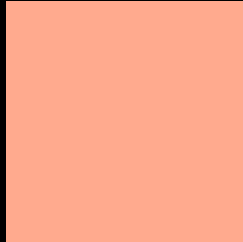
Large Text (above 18pt) WCAG AA × Fail

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 51.9624, 0.4175, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

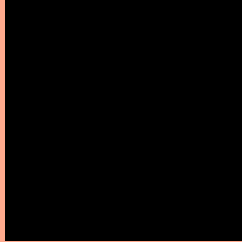
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9624, 0.4175, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 51.9624, 0.4175, 0.3586.



This preview shows how white text looks on a background with the Yxy color 51.9624, 0.4175, 0.3586.

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

51.9624, 0.4175, 0.3586

Protanopia

52.1925, 0.3544, 0.3787

Deuteranopia

51.9292, 0.3871, 0.3790



Tritanopia

52.1118, 0.3846, 0.3176

Trichromacy



Original Color

51.9624, 0.4175, 0.3586

Protanomaly

51.5347, 0.3766, 0.3704

Deuteranomaly

51.7684, 0.3984, 0.3706

Tritanomaly

51.9819, 0.3967, 0.3324

Monochromacy



Original Color

51.9624, 0.4175, 0.3586

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.7840, 0.3478, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9624, 0.4175, 0.3586 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 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, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 51.9624, 0.4175, 0.3586 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, 142) }
```

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

```
.border{ border-color:rgb(255, 170, 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, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9624, 0.4175, 0.3586 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, 142) }
```

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

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