

Converting Colors

$Y_{xy}(75.7714, 0.4988, 0.3620)$

Have a look what the booklet for
Yxy(75.7714, 0.4988, 0.3620)
contains.

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Color

Yxy(53.0644, 0.4288, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE7F
RGB	255, 174, 127
RGB Percent	100%, 68%, 50%
CMY	0.0000, 0.3177, 0.5020
CMYK	0.00, 0.32, 0.50, 0.00
HSL	22°, 100%, 75%
HSV	22°, 50%, 100%
XYZ	60.2117, 53.0644, 27.1430
YIQ	192.8610, 63.3630, 2.5550

Conversions

Conversions Part 2

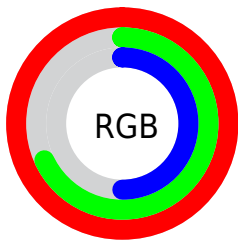
Format	Color
R_{YB}	255, 201, 127
Decimal	16756351
CIE _{Lab}	77.91, 24.62, 36.05
CIE _{LCh}	78, 43.655, 55.662
Yxy	53.0644, 0.4288, 0.3779
Android (android.graphics.Color)	4294946431 (0xFFFFAE7F)
YUV	192.8610, -32.4695, 54.4959
Hunter-Lab	72.8453, 20.0634, 28.8996

Details

The Yxy color **53.0644, 0.4288, 0.3779** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.8383, 0.2360, 0.2717**, and the grayscale version is **53.4064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1489, 0.3640, 0.3798**, and **25.8127, 0.4588, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **46.6158, 0.4616, 0.3855**, and if you desaturate by 10%, it is **60.4277, 0.3988, 0.3686**.

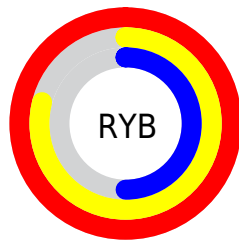
Distribution



Red (100%)

Green (68%)

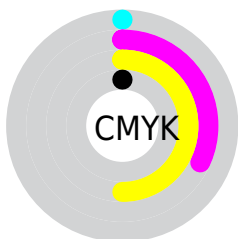
Blue (50%)



Red (100%)

Yellow (79%)

Blue (50%)

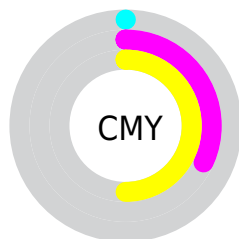


Cyan (0%)

Magenta (32%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (32%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0644, 0.4288, 0.3779 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 53.0644, 0.4288, 0.3779 by changing the saturation by 10% instead.


 53.0644, 0.4288,
0.3779


 53.0644, 0.4288,
0.3779


398.5321, 0.3721,
0.3572


 37.8542, 0.4422,
0.3818


 94.6991, 0.4087,
0.3713

 25.8695, 0.4588,
0.3861


 121.8924, 0.4010,
0.3685

 16.7261, 0.4799,
0.3905


 153.8489, 0.3944,
0.3661

 10.0394, 0.5071,
0.3944

190.9529, 0.3887,
0.3639

 5.4251, 0.5428,
0.3957

233.5888, 0.3838,
0.3619

 2.4988, 0.6026,
0.3974

282.1410, 0.3794,

 0.8760, 0.6438,

0.3602

336.9940, 0.3755,
0.3586

0.3562

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.0644, 0.4288,
0.3779

53.0644, 0.4288,
0.3779

46.6158, 0.4616,
0.3855

60.4277, 0.3988,
0.3686

41.0463, 0.4958,
0.3901

68.7462, 0.3724,
0.3585

36.3117, 0.5292,
0.3903

78.0529, 0.3494,
0.3483

32.3647, 0.5588,
0.3853

88.3808, 0.3298,
0.3384

■ 29.2020, 0.5821,
0.3760

99.7606, 0.3130,
0.3292

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



53.0644, 0.4177, 0.3327



53.0644, 0.4288, 0.3779



53.0644, 0.4059, 0.4167

Triad

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



53.0644, 0.4288, 0.3779



53.0644, 0.2503, 0.3705



53.0644, 0.2607, 0.2392

Complementary

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



53.0644, 0.4288, 0.3779



56.8383, 0.2360, 0.2717

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.



53.0644, 0.2234, 0.2409



53.0644, 0.4288, 0.3779



53.0644, 0.2175, 0.3110

Square

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



53.0644, 0.4288, 0.3779



53.0644, 0.3016, 0.4198



53.0644, 0.2084, 0.2647



53.0644, 0.3154, 0.2569

Rectangle

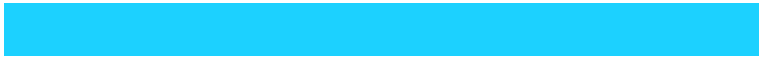
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.0644, 0.4288, 0.3779



53.0644, 0.3763, 0.4326



53.0644, 0.2084, 0.2647



53.0644, 0.2460, 0.2374

Sweetspot

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



53.0632, 0.4288, 0.3779



83.2947, 0.3388, 0.3431



40.9928, 0.3635, 0.2474



17.3665, 0.3430, 0.3452



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.



53.0632, 0.4288, 0.3779



46.7364, 0.4609, 0.3854



83.9013, 0.3943, 0.4374



19.0793, 0.3285, 0.3378



15.5182, 0.5791, 0.3784



1.7109, 0.5576, 0.3954

Inverse Universe

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



56.8383, 0.2360, 0.2717



50.8062, 0.2231, 0.2581



31.6948, 0.2199, 0.1895



19.2941, 0.2979, 0.3201



17.4517, 0.1899, 0.2037



1.9079, 0.1943, 0.2196

Previews

White Background



This preview shows how the Yxy color 53.0644, 0.4288, 0.3779 looks on a white background.

Color Contrast Check

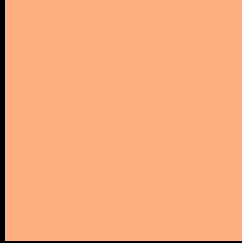
Large Text (above 18pt) WCAG AA × Fail

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 53.0644, 0.4288, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

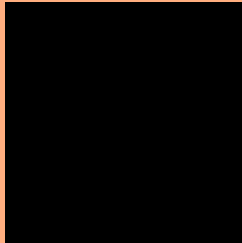
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.0644, 0.4288, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 53.0644, 0.4288, 0.3779.



This preview shows how white text looks on a background with the Yxy color 53.0644, 0.4288, 0.3779.

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

53.0644, 0.4288, 0.3779

Protanopia

53.2991, 0.3708, 0.3997

Deuteranopia

52.9175, 0.4045, 0.3955



Tritanopia

52.9721, 0.3811, 0.3166

Trichromacy



Original Color

53.0644, 0.4288, 0.3779

Protanomaly

52.7913, 0.3915, 0.3916

Deuteranomaly

52.6741, 0.4130, 0.3883

Tritanomaly

52.9590, 0.3993, 0.3398

Monochromacy



Original Color

53.0644, 0.4288, 0.3779

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.5813, 0.3524, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0644, 0.4288, 0.3779 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, 174, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 127)  
}
```

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, 174, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 127) }
```

Border

The CSS property to change the border of an element to Yxy 53.0644, 0.4288, 0.3779 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, 174, 127) }
```

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

```
.border{ border-color:rgb(255, 174, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0644, 0.4288, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 127) }
```

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

```
.background{ background-color: rgb(255,  
174, 127) }
```

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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