

Converting Colors

$Y_{xy}(54.1110, 0.4542, 0.3591)$

Have a look what the booklet for
Yxy(54.1110, 0.4542, 0.3591)
contains.

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Color

Yxy(48.7394, 0.4322, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	FFA283
RGB	255, 162, 131
RGB Percent	100%, 64%, 51%
CMY	0.0000, 0.3647, 0.4865
CMYK	0.00, 0.36, 0.49, 0.00
HSL	15°, 100%, 76%
HSV	15°, 49%, 100%
XYZ	58.2554, 48.7394, 27.7933
YIQ	186.2730, 65.3790, 10.0750

Conversions

Conversions Part 2

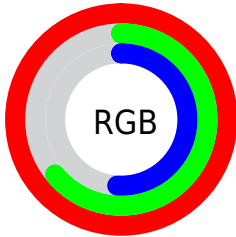
Format	Color
R _Y B	255, 172, 131
Decimal	16753283
CIE Lab	75.29, 31.23, 30.53
CIE LCh	75, 43.673, 44.343
Yxy	48.7394, 0.4322, 0.3616
Android (android.graphics.Color)	4294943363 (0xFFFFA283)
YUV	186.2730, -27.2496, 60.2736
Hunter-Lab	69.8136, 26.7742, 25.2657

Details

The Yxy color **48.7394, 0.4322, 0.3616** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.3238, 0.2416, 0.2920**, and the grayscale version is **49.3914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8635, 0.3645, 0.3640**, and **23.1335, 0.4655, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **41.9020, 0.4692, 0.3667**, and if you desaturate by 10%, it is **56.7744, 0.3993, 0.3552**.

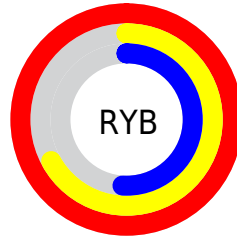
Distribution



Red (100%)

Green (64%)

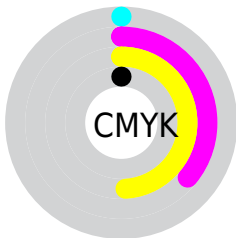
Blue (51%)



Red (100%)

Yellow (67%)

Blue (51%)

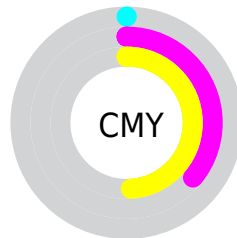


Cyan (0%)

Magenta (36%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7394, 0.4322, 0.3616 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 48.7394, 0.4322, 0.3616 by changing the saturation by 10% instead.


 48.7394, 0.4322,
0.3616


 48.7394, 0.4322,
0.3616

381.7155, 0.3726,
0.3486


 34.4128, 0.4467,
0.3638


 88.3043, 0.4108,
0.3577

 23.2109, 0.4649,
0.3659


 114.3114, 0.4026,
0.3559

 14.7493, 0.4885,
0.3676


 144.9807, 0.3957,
0.3544

 8.6436, 0.5197,
0.3678

180.6967, 0.3898,
0.3530

 4.5095, 0.5621,
0.3641

221.8438, 0.3847,
0.3517

 1.9624, 0.6397,
0.3603

268.8064, 0.3801,

 0.5855, 0.7073,

0.3506

0.2927

321.9688, 0.3762,
0.3495

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7394, 0.4322,
0.3616

48.7394, 0.4322,
0.3616

41.9020, 0.4692,
0.3667

56.7744, 0.3993,
0.3552

36.1979, 0.5088,
0.3694

66.0559, 0.3710,
0.3482

31.5648, 0.5479,
0.3685

76.6370, 0.3472,
0.3412

27.9315, 0.5821,
0.3633

88.5658, 0.3272,
0.3345

■ 25.2142, 0.6078,
0.3545

100.0000, 0.3127,
0.3290

■ 24.9086, 0.6107,
0.3533

Harmonies

Analogous

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



48.7394, 0.4073, 0.3154



48.7394, 0.4322, 0.3616



48.7394, 0.4209, 0.4054

Triad

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



48.7394, 0.4322, 0.3616



48.7394, 0.2667, 0.3938



48.7394, 0.2423, 0.2350

Complementary

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



48.7394, 0.4322, 0.3616



65.3238, 0.2416, 0.2920

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.



48.7394, 0.2125, 0.2449



48.7394, 0.4322, 0.3616



48.7394, 0.2249, 0.3328

Square

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



48.7394, 0.4322, 0.3616



48.7394, 0.3234, 0.4335



48.7394, 0.2063, 0.2782



48.7394, 0.2927, 0.2461

Rectangle

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



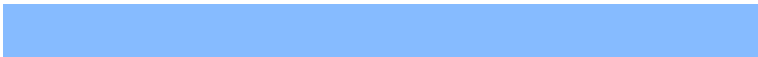
48.7394, 0.4322, 0.3616



48.7394, 0.3962, 0.4276



48.7394, 0.2063, 0.2782



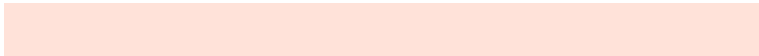
48.7394, 0.2298, 0.2358

Sweetspot

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



48.7413, 0.4322, 0.3616



80.8268, 0.3395, 0.3387



42.8616, 0.3467, 0.2366



16.7769, 0.3439, 0.3401



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.



48.7413, 0.4322, 0.3616



42.3084, 0.4667, 0.3664



76.2027, 0.3987, 0.4220



18.7258, 0.3288, 0.3350



13.2128, 0.6080, 0.3554



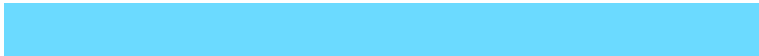
1.4510, 0.5863, 0.3727

Inverse Universe

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



65.3238, 0.2416, 0.2920



60.4812, 0.2305, 0.2835



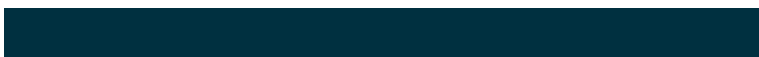
37.8703, 0.2265, 0.2128



19.6659, 0.2980, 0.3229



23.5292, 0.2016, 0.2456



2.4641, 0.2045, 0.2563

Previews

White Background



This preview shows how the Yxy color 48.7394, 0.4322, 0.3616 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 48.7394, 0.4322, 0.3616 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 48.7394, 0.4322, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 48.7394, 0.4322, 0.3616.



This preview shows how white text looks on a background with the Yxy color 48.7394, 0.4322, 0.3616.

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

48.7394, 0.4322, 0.3616

Protanopia

49.1830, 0.3605, 0.3861

Deuteranopia

48.9289, 0.3960, 0.3880



Tritanopia

48.5783, 0.3965, 0.3177

Trichromacy



Original Color

48.7394, 0.4322, 0.3616

Protanomaly

48.3105, 0.3859, 0.3770

Deuteranomaly

48.5825, 0.4094, 0.3778

Tritanomaly

48.4228, 0.4102, 0.3335

Monochromacy



Original Color

48.7394, 0.4322, 0.3616

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0463, 0.3527, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7394, 0.4322, 0.3616 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, 162, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 131)  
}
```

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, 162, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 131) }
```

Border

The CSS property to change the border of an element to Yxy 48.7394, 0.4322, 0.3616 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, 162, 131) }
```

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

```
.border{ border-color:rgb(255, 162, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7394, 0.4322, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 131) }
```

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

```
.background{ background-color: rgb(255,  
162, 131) }
```

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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