

# Converting Colors

$Y_{xy}(47.2521, 0.4379, 0.3553)$

Have a look what the booklet for  
Yxy(47.2521, 0.4379, 0.3553)  
contains.

<b>Yxy(46.6756, 0.4356, 0.3553)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.6756, 0.4356, 0.3553)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9C83
RGB	255, 156, 131
RGB Percent	100%, 61%, 51%
CMY	0.0000, 0.3882, 0.4862
CMYK	0.00, 0.39, 0.49, 0.00
HSL	12°, 100%, 76%
HSV	12°, 49%, 100%
XYZ	57.2246, 46.6756, 27.4694
YIQ	182.7510, 67.0290, 13.2130

# Conversions

## Conversions Part 2

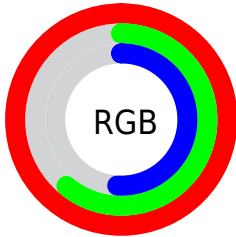
Format	Color
R <sub>Y</sub> B	255, 162, 131
Decimal	16751747
CIE Lab	73.98, 34.35, 28.77
CIE LCh	74, 44.802, 39.947
Yxy	46.6756, 0.4356, 0.3553
Android (android.graphics.Color)	4294941827 (0xFFFF9C83)
YUV	182.7510, -25.5132, 63.3624
Hunter-Lab	68.3195, 29.9527, 23.9848

# Details

The Yxy color **46.6756, 0.4356, 0.3553** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.6384, 0.2430, 0.2994**, and the grayscale version is **47.3272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3092, 0.3664, 0.3570**, and **21.8967, 0.4710, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **39.7996, 0.4745, 0.3593**, and if you desaturate by 10%, it is **54.8715, 0.4013, 0.3502**.

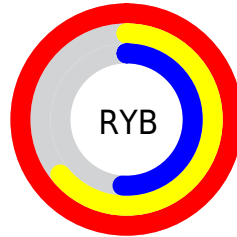
# Distribution



Red (100%)

Green (61%)

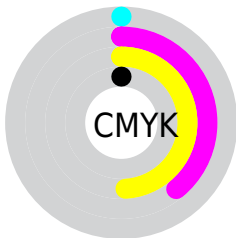
Blue (51%)



Red (100%)

Yellow (64%)

Blue (51%)

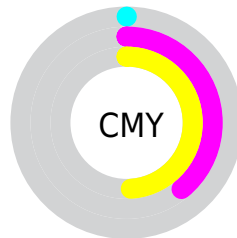


Cyan (0%)

Magenta (39%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6756, 0.4356, 0.3553 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 46.6756, 0.4356, 0.3553 by changing the saturation by 10% instead.




 46.6756, 0.4356,  
0.3553

 46.6756, 0.4356,  
0.3553


373.5182, 0.3738,  
0.3454


 32.7793, 0.4508,  
0.3567


 85.2292, 0.4132,  
0.3525

 21.9574, 0.4700,  
0.3578


 110.6553, 0.4048,  
0.3512

 13.8256, 0.4950,  
0.3582


 140.6933, 0.3977,  
0.3500

 7.9995, 0.5284,  
0.3567

175.7279, 0.3915,  
0.3489

 4.0946, 0.5744,  
0.3503

216.1432, 0.3862,  
0.3479

 1.7266, 0.6584,  
0.3416

262.3238, 0.3816,

 0.4408, 0.7510,

0.3470

0.2490

314.6540, 0.3774,  
0.3461

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.6756, 0.4356,  
0.3553

■ 46.6756, 0.4356,  
0.3553

■ 39.7996, 0.4745,  
0.3593

■ 54.8715, 0.4013,  
0.3502

■ 34.1666, 0.5162,  
0.3611

■ 64.4448, 0.3720,  
0.3445

■ 29.7028, 0.5572,  
0.3597

■ 75.4580, 0.3475,  
0.3388

■ 26.3226, 0.5923,  
0.3548

■ 87.9675, 0.3273,  
0.3334

■ 23.9254, 0.6173,  
0.3468

99.9991, 0.3127,  
0.3290

■ 23.6630, 0.6202,  
0.3458

# Harmonies

## Analogous

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



46.6756, 0.4044, 0.3080



46.6756, 0.4356, 0.3553



46.6756, 0.4290, 0.4017

# Triad

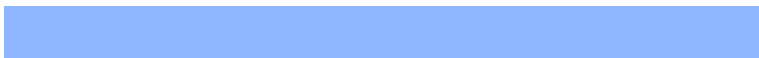
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.6756, 0.4356, 0.3553



46.6756, 0.2727, 0.4049



46.6756, 0.2337, 0.2317

# Complementary

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



46.6756, 0.4356, 0.3553



68.6384, 0.2430, 0.2994

# 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.



46.6756, 0.2064, 0.2452



46.6756, 0.4356, 0.3553



46.6756, 0.2264, 0.3423

# Square

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



46.6756, 0.4356, 0.3553



46.6756, 0.3325, 0.4409



46.6756, 0.2037, 0.2830



46.6756, 0.2830, 0.2403



# Rectangle

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



46.6756, 0.4356, 0.3553



46.6756, 0.4059, 0.4269



46.6756, 0.2037, 0.2830



46.6756, 0.2220, 0.2336

# Sweetspot

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



46.6780, 0.4356, 0.3553



79.8167, 0.3398, 0.3368



43.2190, 0.3407, 0.2313



16.5363, 0.3442, 0.3380



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.



46.6780, 0.4356, 0.3553



40.1921, 0.4720, 0.3591



72.9374, 0.4017, 0.4165



18.5800, 0.3289, 0.3339



12.5311, 0.6177, 0.3477



1.3657, 0.5971, 0.3641



# Inverse Universe

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



68.6384, 0.2430, 0.2994



64.3001, 0.2326, 0.2926



40.1274, 0.2281, 0.2208



19.8226, 0.2980, 0.3241



26.4539, 0.2063, 0.2628



2.7260, 0.2087, 0.2712



# Previews

## White Background



This preview shows how the Yxy color 46.6756, 0.4356, 0.3553 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

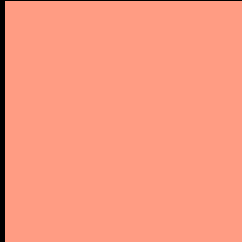
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.6756, 0.4356, 0.3553 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 46.6756, 0.4356, 0.3553**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6756, 0.4356, 0.3553.



This preview shows how white text looks on a background with the Yxy color 46.6756, 0.4356, 0.3553.

# 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

46.6756, 0.4356, 0.3553

### Protanopia

46.9084, 0.3555, 0.3796

### Deuteranopia

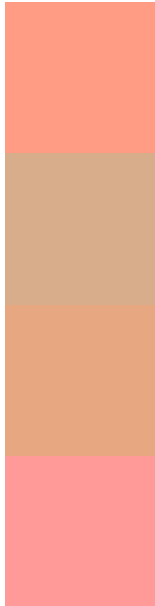
46.9702, 0.3929, 0.3857



## Tritanopia

46.7228, 0.4034, 0.3177

# Trichromacy



**Original Color**

46.6756, 0.4356, 0.3553

**Protanomaly**

46.3502, 0.3830, 0.3704

**Deuteranomaly**

46.5792, 0.4088, 0.3739

**Tritanomaly**

46.6382, 0.4154, 0.3314

# Monochromacy



**Original Color**

46.6756, 0.4356, 0.3553

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

46.1228, 0.3536, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6756, 0.4356, 0.3553 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, 156, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 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, 156, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6756, 0.4356, 0.3553 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, 156, 131) }
```

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

```
.border{ border-color:rgb(255, 156, 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, 156, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6756, 0.4356, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 131) }
```

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

```
.background{ background-color: rgb(255,  
156, 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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