# Converting Colors

Yxy(68.3327, 0.4924, 0.3521)

Have a look what the booklet for Yxy(68.3327, 0.4924, 0.3521) contains.

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# Color

**Yxy(49.1478, 0.4297, 0.3606)**

# Conversions

Conversions Part 1

| Format | Color |
|---|---|
| Hex | FFA385 |
| RGB | 255, 163, 133 |
| RGB Percent | 100%, 64%, 52% |
| CMY | 0.0001, 0.3607, 0.4785 |
| CMYK | 0.00, 0.36, 0.48, 0.00 |
| HSL | 15°, 100%, 76% |
| HSV | 15°, 48%, 100% |
| XYZ | 58.5658, 49.1478, 28.5810 |
| YIQ | 187.0880, 64.4620, 10.1740 |

# Conversions

Conversions Part 2

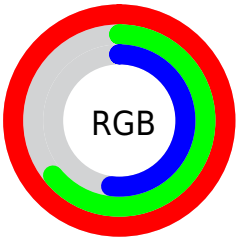
| Format | Color |
|---|---|
| RYB | 255, 173, 133 |
| Decimal | 16753541 |
| CIELab | 75.54, 30.89, 29.78 |
| CIELCh | 76, 42.905, 43.948 |
| Yxy | 49.1478, 0.4297, 0.3606 |
| Android (android.graphics.Color) | 4294943621 (0xFFFFA385) |
| YUV | 187.0880, -26.6654, 59.5588 |
| Hunter-Lab | 70.1055, 26.4333, 24.9022 |

# Details

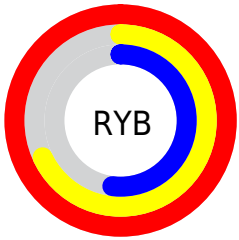
The Yxy color 49.1478, 0.4297, 0.3606 is a light color, and the websafe version is hex FF9966. A complement of this color would be 66.0253, 0.2427, 0.2933, and the grayscale version is 49.8731, 0.3127, 0.3290.

A 20% lighter version of the original color is 75.4682, 0.3628, 0.3629, and 23.3785, 0.4621, 0.3644 is the 20% darker color. If you saturate the color by 10%, you get 42.2136, 0.4666, 0.3657, and if you desaturate by 10%, it is 57.2953, 0.3970, 0.3542.

# Distribution

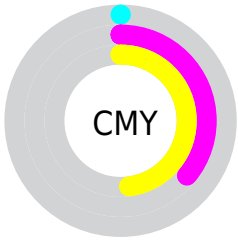



- Red (100%)
- Green (64%)
- Blue (52%)




- Red (100%)
- Yellow (68%)
- Blue (52%)

- Cyan (0%)
- Magenta (36%)
- Yellow (48%)
- Black (0%)




- Cyan (0%)
- Magenta (36%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1478, 0.4297, 0.3606 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 49.1478, 0.4297, 0.3606 by changing the saturation by 10% instead.

49.1478, 0.4297, 0.3606

49.1478, 0.4297, 0.3606

383.3239, 0.3714, 0.3479

34.7367, 0.4439, 0.3627

88.9109, 0.4087, 0.3568

23.4602, 0.4618, 0.3648

115.0318, 0.4008, 0.3551

14.9336, 0.4848, 0.3666

145.8247, 0.3940, 0.3536

8.7728, 0.5155, 0.3670

181.6741, 0.3882, 0.3522

4.5933, 0.5573, 0.3637

222.9643, 0.3832, 0.3510

2.0107, 0.6372, 0.3628

270.0797, 0.3788,

0.6137, 0.7013,

0.3499

0.2987

323.4048, 0.3749, 0.3488

0.0000, 1.0000, 0.0000

0.0000, 0.0000, 0.0000

49.1478, 0.4297, 0.3606

49.1478, 0.4297, 0.3606

42.2136, 0.4666, 0.3657

57.2953, 0.3970, 0.3542

36.4260, 0.5063, 0.3686

66.7038, 0.3690, 0.3473

31.7230, 0.5457, 0.3679

77.4273, 0.3455, 0.3404

28.0331, 0.5806, 0.3631

89.5145, 0.3258, 0.3339

25.2733, 0.6069, 0.3545

99.9974, 0.3127, 0.3290

24.7880, 0.6116, 0.3526

# Harmonies

## Analogous

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

49.1478, 0.4048, 0.3152

49.1478, 0.4297, 0.3606

49.1478, 0.4192, 0.4036

# Triad

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

49.1478, 0.4297, 0.3606

49.1478, 0.2683, 0.3931

49.1478, 0.2431, 0.2367

# Complementary

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

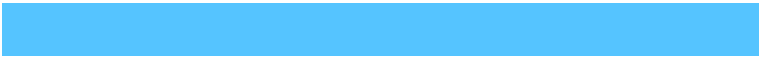
49.1478, 0.4297, 0.3606



66.0253, 0.2427, 0.2933

# 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.



49.1478, 0.2141, 0.2468

49.1478, 0.4297, 0.3606

49.1478, 0.2269, 0.3336

# Square

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

49.1478, 0.4297, 0.3606

49.1478, 0.3241, 0.4315

49.1478, 0.2083, 0.2799

49.1478, 0.2924, 0.2473

# Rectangle

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

49.1478, 0.4297, 0.3606

49.1478, 0.3953, 0.4254

49.1478, 0.2083, 0.2799

49.1478, 0.2310, 0.2376

# Sweetspot

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

49.1503, 0.4297, 0.3606



81.9264, 0.3375, 0.3379

43.5454, 0.3440, 0.2362

16.9916, 0.3419, 0.3393

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.

49.1503, 0.4297, 0.3606

42.7625, 0.4633, 0.3654



75.4323, 0.3982, 0.4188

18.7133, 0.3288, 0.3349

13.1488, 0.6089, 0.3547

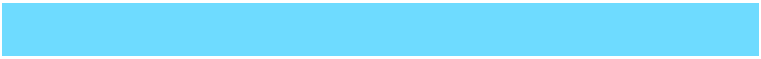
1.4433, 0.5873, 0.3719

# Inverse Universe

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



66.0253, 0.2427, 0.2933



61.2873, 0.2318, 0.2852

39.2992, 0.2285, 0.2176

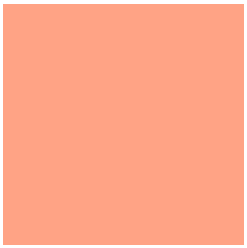
19.6792, 0.2980, 0.3230

23.7686, 0.2020, 0.2471

2.4857, 0.2049, 0.2575

# Previews

## White Background

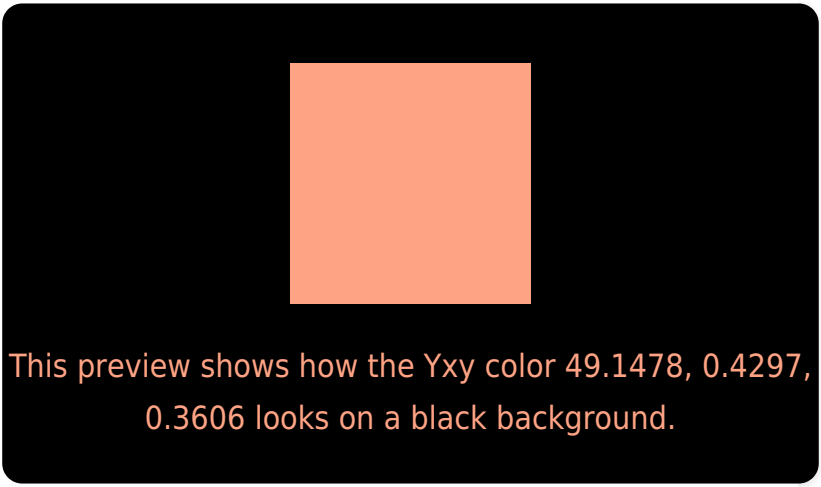


This preview shows how the Yxy color 49.1478, 0.4297, 0.3606 looks on a white background.

### 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

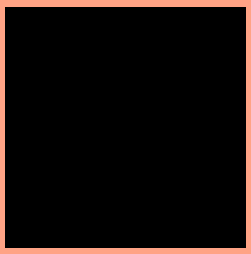



### Color Contrast Check

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 49.1478, 0.4297, 0.3606 Background



This preview shows how black text looks on a background with the Yxy color 49.1478, 0.4297, 0.3606.

This preview shows how white text looks on a background with the Yxy color 49.1478, 0.4297, 0.3606.

# 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

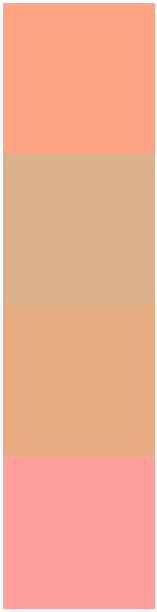
**Original Color**
49.1478, 0.4297, 0.3606

**Protanopia**
49.2431, 0.3589, 0.3836

**Deuteranopia**
49.3815, 0.3938, 0.3868

**Tritanopia**
48.9965, 0.3941, 0.3166

# Trichromacy



**Original Color**
49.1478, 0.4297, 0.3606

**Protanomaly**
48.7649, 0.3837, 0.3758

**Deuteranomaly**
49.0183, 0.4071, 0.3767

**Tritanomaly**
48.8359, 0.4077, 0.3324

# Monochromacy

**Original Color**
49.1478, 0.4297, 0.3606

**Achromatopsia**
49.6933, 0.3127, 0.3290

**Achromatomaly**
48.6279, 0.3525, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1478, 0.4297, 0.3606 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, 163, 133) looks like.

```
.text, #text, p{
    color:rgb(255, 163, 133)
}
```

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, 163, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 133) }
```

# Border

The CSS property to change the border of an element to Yxy 49.1478, 0.4297, 0.3606 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, 163, 133) }
```

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

```
.border{ border-color:rgb(255, 163, 133) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 163, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 163, 133); box-shadow:4px 4px 4px 4px rgb(255, 163, 133) }
```

# Background

The CSS property to change the background color of an element to Yxy 49.1478, 0.4297, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 163, 133) }
```

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

```
.background{ background-color:rgb(255,
163, 133) }
```

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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