

# Converting Colors

$Y_{xy}(46.7776, 0.3920, 0.3568)$

Have a look what the booklet for  
Yxy(46.7776, 0.3920, 0.3568)  
contains.

<b>Yxy(46.7076, 0.3919, 0.3559)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.7076, 0.3919, 0.3559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5A891
RGB	229, 168, 145
RGB Percent	90%, 66%, 57%
CMY	0.1019, 0.3412, 0.4313
CMYK	0.00, 0.27, 0.37, 0.10
HSL	16°, 62%, 73%
HSV	16°, 37%, 90%
XYZ	51.4322, 46.7076, 33.0982
YIQ	183.6170, 43.7390, 5.7790

# Conversions

## Conversions Part 2

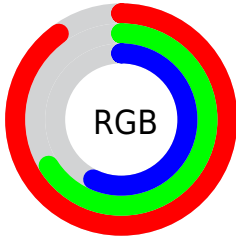
Format	Color
R <sub>Y</sub> B	229, 177, 145
Decimal	15050897
CIE Lab	74.00, 19.50, 20.70
CIE LCh	74, 28.441, 46.705
Yxy	46.7076, 0.3919, 0.3559
Android (android.graphics.Color)	4293240977 (0xFFE5A891)
YUV	183.6170, -19.0382, 39.8009
Hunter-Lab	68.3430, 14.7318, 19.1262

# Details

The Yxy color **46.7076, 0.3919, 0.3559** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.8409, 0.2574, 0.3000**, and the grayscale version is **47.8015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1589, 0.3525, 0.3535**, and **22.0696, 0.4153, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **40.3182, 0.4230, 0.3631**, and if you desaturate by 10%, it is **54.0298, 0.3652, 0.3483**.

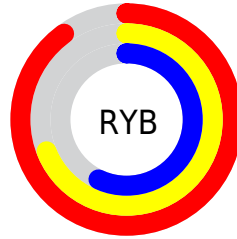
# Distribution



Red (90%)

Green (66%)

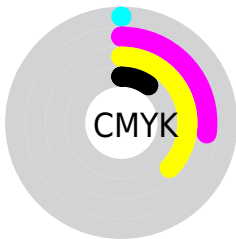
Blue (57%)



Red (90%)

Yellow (69%)

Blue (57%)

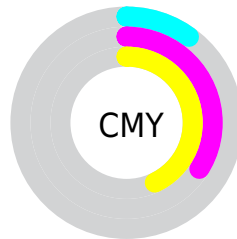


Cyan (0%)

Magenta (27%)

Yellow (37%)

Black (10%)



Cyan (10%)

Magenta (34%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7076, 0.3919, 0.3559 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 46.7076, 0.3919, 0.3559 by changing the saturation by 10% instead.





 46.7076, 0.3919,  
0.3559


 46.7076, 0.3919,  
0.3559


373.6462, 0.3520,  
0.3437

 32.8046, 0.4019,  
0.3585


 85.2770, 0.3774,  
0.3518

 21.9768, 0.4146,  
0.3615


 110.7121, 0.3719,  
0.3502

 13.8398, 0.4315,  
0.3650


140.7601, 0.3673,  
0.3488

 8.0093, 0.4548,  
0.3690

175.8053, 0.3634,  
0.3475

 4.1009, 0.4884,  
0.3726

216.2321, 0.3599,  
0.3464

 1.7302, 0.5598,  
0.3864

262.4249, 0.3570,

 0.4431, 0.6697,

0.3454

0.3303

314.7682, 0.3543,  
0.3445

0.0000, 0.0000,  
0.0000

46.7076, 0.3919,  
0.3559

46.7076, 0.3919,  
0.3559

40.3182, 0.4230,  
0.3631

54.0298, 0.3652,  
0.3483

34.8167, 0.4581,  
0.3691

62.3140, 0.3426,  
0.3407

30.1644, 0.4960,  
0.3729

71.5963, 0.3236,  
0.3335

26.3168, 0.5343,  
0.3733

81.9091, 0.3078,  
0.3268

23.2250, 0.5693,  
0.3694

92.9882, 0.2969,  
0.3251

■ 20.8334, 0.5969,  
0.3611

■ 95.4013, 0.2970,  
0.3290

■ 20.1779, 0.6047,  
0.3581

# Harmonies

## Analogous

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



46.7076, 0.3770, 0.3235



46.7076, 0.3919, 0.3559



46.7076, 0.3839, 0.3841

# Triad

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



46.7076, 0.3919, 0.3559



46.7076, 0.2801, 0.3679



46.7076, 0.2676, 0.2645

# Complementary

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



46.7076, 0.3919, 0.3559



55.8409, 0.2574, 0.3000

# 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.



46.7076, 0.2451, 0.2714



46.7076, 0.3919, 0.3559



46.7076, 0.2518, 0.3296

# Square

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



46.7076, 0.3919, 0.3559



46.7076, 0.3182, 0.3946



46.7076, 0.2395, 0.2942



46.7076, 0.3032, 0.2729



# Rectangle

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



46.7076, 0.3919, 0.3559



46.7076, 0.3673, 0.3965



46.7076, 0.2395, 0.2942



46.7076, 0.2584, 0.2650

# Sweetspot

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



46.7098, 0.3919, 0.3559



86.0046, 0.3315, 0.3366



41.4031, 0.3375, 0.2604



18.0631, 0.3341, 0.3376



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.



46.7098, 0.3919, 0.3559



53.3140, 0.4150, 0.3614



64.5129, 0.3750, 0.4009



15.0064, 0.3286, 0.3355



11.7068, 0.6020, 0.3602



1.0166, 0.5733, 0.3830

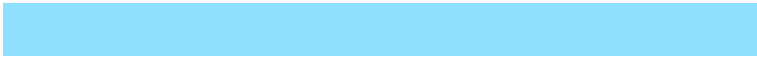


# Inverse Universe

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



55.8409, 0.2574, 0.3000



66.5178, 0.2470, 0.2929



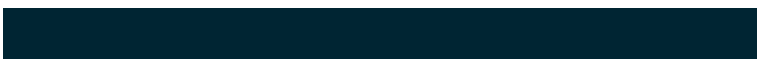
38.4514, 0.2495, 0.2447



15.6346, 0.2981, 0.3224



19.1117, 0.1994, 0.2378



1.5652, 0.2035, 0.2527



# Previews

## White Background



This preview shows how the Yxy color 46.7076, 0.3919, 0.3559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

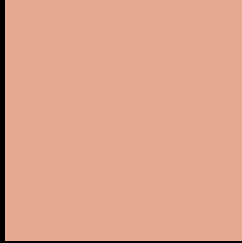
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.7076, 0.3919, 0.3559 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 46.7076, 0.3919, 0.3559**

## Background



This preview shows how black text looks on a background with the Yxy color 46.7076, 0.3919, 0.3559.



This preview shows how white text looks on a background with the Yxy color 46.7076, 0.3919, 0.3559.

# 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

46.7076, 0.3919, 0.3559

### Protanopia

46.9294, 0.3461, 0.3681

### Deuteranopia

46.8197, 0.3749, 0.3671



## Tritanopia

46.8413, 0.3663, 0.3155

# Trichromacy



**Original Color**

46.7076, 0.3919, 0.3559

**Protanomaly**

46.5933, 0.3622, 0.3643

**Deuteranomaly**

46.5787, 0.3817, 0.3628

**Tritanomaly**

46.6158, 0.3757, 0.3292

# Monochromacy



**Original Color**

46.7076, 0.3919, 0.3559

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.0224, 0.3390, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7076, 0.3919, 0.3559 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(229, 168, 145)` looks like.

```
.text, #text, p{  
    color:rgb(229, 168, 145)  
}
```

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(229, 168, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 168, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7076, 0.3919, 0.3559 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(229, 168, 145) }
```

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

```
.border{ border-color:rgb(229, 168, 145) }
```

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

Here you see how a box with a 4 pixel rgb(229, 168, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 168, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 168, 145);  
box-shadow:4px 4px 4px 4px rgb(229, 168,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7076, 0.3919, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 168, 145) }
```

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

```
.background{ background-color: rgb(229,  
168, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor