

# Converting Colors

$Yxy(45.9823, 0.3521, 0.3052)$

Have a look what the booklet for  
Yxy(45.9823, 0.3521, 0.3052)  
contains.

<b>Yxy(46.0192, 0.3522, 0.3059)</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(46.0192, 0.3522, 0.3059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1A4B8
RGB	225, 164, 184
RGB Percent	88%, 64%, 72%
CMY	0.1175, 0.3569, 0.2784
CMYK	0.00, 0.27, 0.18, 0.12
HSL	340°, 50%, 76%
HSV	340°, 27%, 88%
XYZ	52.9845, 46.0192, 51.4350
YIQ	184.5190, 29.9360, 19.1520

# Conversions

## Conversions Part 2

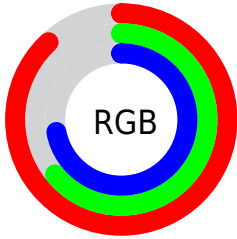
Format	Color
R <sub>Y</sub> B	225, 164, 184
Decimal	14787768
CIE Lab	73.56, 25.48, -1.35
CIE LCh	74, 25.514, 356.962
Yxy	46.0192, 0.3522, 0.3059
Android (android.graphics.Color)	4292977848 (0xFFE1A4B8)
YUV	184.5190, -0.2559, 35.5018
Hunter-Lab	67.8375, 20.7021, 2.5320

# Details

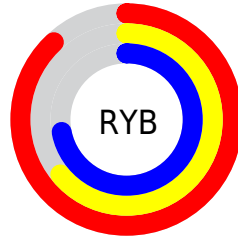
The Yxy color **46.0192, 0.3522, 0.3059** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **66.1664, 0.2846, 0.3535**, and the grayscale version is **48.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2143, 0.3244, 0.3083**, and **21.6621, 0.3637, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **38.0666, 0.3730, 0.2970**, and if you desaturate by 10%, it is **55.4688, 0.3351, 0.3148**.

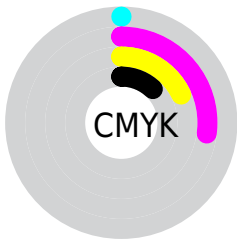
# Distribution



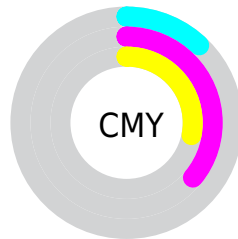
- Red (88%)
- Green (64%)
- Blue (72%)



- Red (88%)
- Yellow (64%)
- Blue (72%)



- Cyan (0%)
- Magenta (27%)
- Yellow (18%)
- Black (12%)




- Cyan (12%)
- Magenta (36%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0192, 0.3522, 0.3059 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 46.0192, 0.3522, 0.3059 by changing the saturation by 10% instead.





 46.0192, 0.3522,  
0.3059


 46.0192, 0.3522,  
0.3059

370.8858, 0.3325,  
0.3174

 32.2610, 0.3571,  
0.3030

 84.2477, 0.3450,  
0.3101

 21.5609, 0.3635,  
0.2994


 109.4868, 0.3423,  
0.3116

 13.5346, 0.3719,  
0.2946


139.3217, 0.3401,  
0.3130

 7.7977, 0.3836,  
0.2878

174.1366, 0.3381,  
0.3141

 3.9658, 0.4011,  
0.2779

214.3162, 0.3364,  
0.3151

 1.6544, 0.4299,  
0.2618

260.2446, 0.3349,

 0.3939, 0.5231,

0.3160

0.2048

312.3064, 0.3336,  
0.3167

0.0000, 0.0000,  
0.0000

46.0192, 0.3522,  
0.3059

46.0192, 0.3522,  
0.3059

38.0666, 0.3730,  
0.2970

55.4688, 0.3351,  
0.3148

31.5274, 0.3979,  
0.2886

66.4807, 0.3211,  
0.3233

26.3194, 0.4270,  
0.2815

79.1238, 0.3097,  
0.3312

22.3495, 0.4598,  
0.2769

93.4614, 0.3004,  
0.3386

19.5122, 0.4948,  
0.2759

94.7521, 0.2946,  
0.3289

■ 17.6840, 0.5296,  
0.2797

■ 16.7041, 0.5610,  
0.2882

■ 16.5031, 0.5694,  
0.2910

# Harmonies

## Analogous

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



46.0192, 0.3167, 0.2835



46.0192, 0.3522, 0.3059



46.0192, 0.3774, 0.3344

# Triad

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



46.0192, 0.3522, 0.3059



46.0192, 0.3412, 0.3933



46.0192, 0.2462, 0.2892

# Complementary

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



46.0192, 0.3522, 0.3059



66.1664, 0.2846, 0.3535

# 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.



46.0192, 0.2519, 0.3180



46.0192, 0.3522, 0.3059



46.0192, 0.3056, 0.3815

# Square

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



46.0192, 0.3522, 0.3059



46.0192, 0.3702, 0.3854



46.0192, 0.2732, 0.3527



46.0192, 0.2568, 0.2731



# Rectangle

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



46.0192, 0.3522, 0.3059



46.0192, 0.3841, 0.3540



46.0192, 0.2732, 0.3527



46.0192, 0.2463, 0.2976

# Sweetspot

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



46.0213, 0.3522, 0.3059



86.8158, 0.3223, 0.3225



44.9206, 0.2985, 0.2581



18.0852, 0.3242, 0.3212



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.



46.0213, 0.3522, 0.3059



54.4262, 0.3644, 0.3004



49.0285, 0.3682, 0.3411



13.7742, 0.3241, 0.3213



9.5264, 0.5653, 0.2888



0.6764, 0.5217, 0.2647



# Inverse Universe

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



46.0213, 0.3522, 0.3059



54.4262, 0.3644, 0.3004



61.8570, 0.2721, 0.3165



13.7742, 0.3241, 0.3213



9.5264, 0.5653, 0.2888

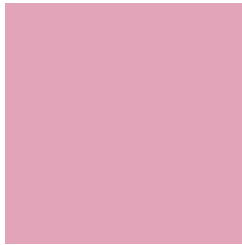


0.6764, 0.5217, 0.2647



# Previews

## White Background



This preview shows how the Yxy color 46.0192, 0.3522, 0.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

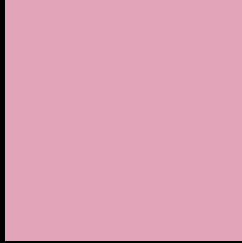
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0192, 0.3522, 0.3059 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 46.0192, 0.3522, 0.3059**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0192, 0.3522, 0.3059.



This preview shows how white text looks on a background with the Yxy color 46.0192, 0.3522, 0.3059.

# 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

46.0192, 0.3522, 0.3059

### Protanopia

46.3165, 0.3034, 0.3122

### Deuteranopia

46.0431, 0.3273, 0.3203



## Tritanopia

45.9719, 0.3567, 0.3139

# Trichromacy



## Original Color

46.0192, 0.3522, 0.3059

## Protanomaly

45.8601, 0.3198, 0.3091

## Deuteranomaly

45.9546, 0.3361, 0.3144

## Tritanomaly

46.0528, 0.3548, 0.3116

# Monochromacy



## Original Color

46.0192, 0.3522, 0.3059

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.2264, 0.3264, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0192, 0.3522, 0.3059 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(225, 164, 184)` looks like.

```
.text, #text, p{  
    color:rgb(225, 164, 184)  
}
```

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(225, 164, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 164, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0192, 0.3522, 0.3059 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(225, 164, 184) }
```

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

```
.border{ border-color:rgb(225, 164, 184) }
```

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

Here you see how a box with a 4 pixel rgb(225, 164, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 164, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 164, 184);  
box-shadow:4px 4px 4px 4px rgb(225, 164,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0192, 0.3522, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 164, 184) }
```

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

```
.background{ background-color: rgb(225,  
164, 184) }
```

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