

Converting Colors

$Yxy(46.5337, 0.3505, 0.2992)$

Have a look what the booklet for
Yxy(46.5337, 0.3505, 0.2992)
contains.

Yxy(46.3625, 0.3505, 0.2994)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.3625, 0.3505, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	E4A3BD
RGB	228, 163, 189
RGB Percent	89%, 64%, 74%
CMY	0.1059, 0.3608, 0.2589
CMYK	0.00, 0.29, 0.17, 0.11
HSL	336°, 55%, 77%
HSV	336°, 29%, 89%
XYZ	54.2754, 46.3625, 54.2135
YIQ	185.3990, 30.3940, 21.8660

Conversions

Conversions Part 2

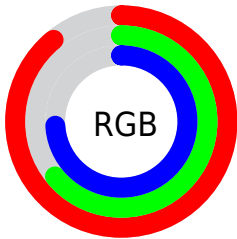
Format	Color
R _Y B	228, 163, 189
Decimal	14984125
CIE Lab	73.78, 27.84, -3.72
CIE LCh	74, 28.083, 352.378
Yxy	46.3625, 0.3505, 0.2994
Android (android.graphics.Color)	4293174205 (0xFFE4A3BD)
YUV	185.3990, 1.7753, 37.3611
Hunter-Lab	68.0900, 23.1271, 0.4561

Details

The Yxy color **46.3625, 0.3505, 0.2994** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **67.5430, 0.2859, 0.3608**, and the grayscale version is **48.7273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9954, 0.3211, 0.3025**, and **21.9171, 0.3612, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **38.4175, 0.3694, 0.2886**, and if you desaturate by 10%, it is **55.8275, 0.3348, 0.3102**.

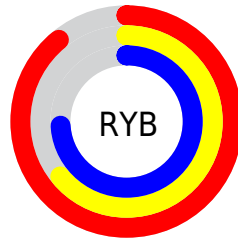
Distribution



Red (89%)

Green (64%)

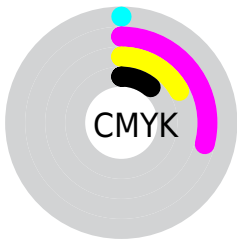
Blue (74%)



Red (89%)

Yellow (64%)

Blue (74%)

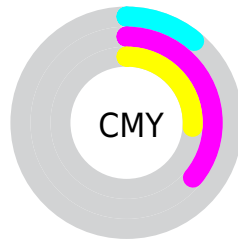


Cyan (0%)

Magenta (29%)

Yellow (17%)

Black (11%)



Cyan (11%)


Magenta (36%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3625, 0.3505, 0.2994 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 46.3625, 0.3505, 0.2994 by changing the saturation by 10% instead.


 46.3625, 0.3505,
0.2994


 46.3625, 0.3505,
0.2994

372.2641, 0.3317,
0.3140

 32.5320, 0.3551,
0.2958


 84.7613, 0.3437,
0.3046

 21.7681, 0.3611,
0.2913


 110.0983, 0.3411,
0.3066

 13.6866, 0.3690,
0.2854


140.0396, 0.3390,
0.3083

 7.9030, 0.3799,
0.2772

174.9695, 0.3371,
0.3097

 4.0330, 0.3961,
0.2654

215.2726, 0.3355,
0.3110

 1.6920, 0.4222,
0.2466

261.3331, 0.3341,

 0.4185, 0.4922,

0.3121

0.1873

313.5355, 0.3328,
0.3131

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.3625, 0.3505,
0.2994

46.3625, 0.3505,
0.2994

38.4175, 0.3694,
0.2886

55.8275, 0.3348,
0.3102

31.9061, 0.3918,
0.2785

66.8802, 0.3219,
0.3206

26.7429, 0.4177,
0.2699

79.5918, 0.3113,
0.3304

22.8310, 0.4467,
0.2641

94.0275, 0.3026,
0.3395

■ 20.0600, 0.4776,
0.2624

■ 95.2347, 0.2964,
0.3290

■ 18.3001, 0.5085,
0.2658

■ 17.3609, 0.5372,
0.2742

■ 17.2512, 0.5414,
0.2756

Harmonies

Analogous

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



46.3625, 0.3108, 0.2765



46.3625, 0.3505, 0.2994



46.3625, 0.3807, 0.3297

Triad

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



46.3625, 0.3505, 0.2994



46.3625, 0.3493, 0.3998



46.3625, 0.2399, 0.2891

Complementary

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



46.3625, 0.3505, 0.2994



67.5430, 0.2859, 0.3608

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.



46.3625, 0.2488, 0.3224



46.3625, 0.3505, 0.2994



46.3625, 0.3107, 0.3904

Square

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



46.3625, 0.3505, 0.2994



46.3625, 0.3793, 0.3878



46.3625, 0.2741, 0.3608



46.3625, 0.2488, 0.2694

Rectangle

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



46.3625, 0.3505, 0.2994



46.3625, 0.3903, 0.3511



46.3625, 0.2741, 0.3608



46.3625, 0.2409, 0.2990

Sweetspot

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



46.3646, 0.3505, 0.2994



85.3652, 0.3225, 0.3201



44.3562, 0.2939, 0.2534



17.8008, 0.3243, 0.3186



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.



46.3646, 0.3505, 0.2994



53.6846, 0.3609, 0.2932



47.7045, 0.3733, 0.3367



14.4629, 0.3230, 0.3196



9.9829, 0.5375, 0.2734



0.7556, 0.4988, 0.2522

Inverse Universe

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



46.3646, 0.3505, 0.2994



53.6846, 0.3609, 0.2932



65.3689, 0.2706, 0.3211



14.4629, 0.3230, 0.3196



9.9829, 0.5375, 0.2734



0.7556, 0.4988, 0.2522

Previews

White Background



This preview shows how the Yxy color 46.3625, 0.3505, 0.2994 looks on a white background.

Color Contrast Check

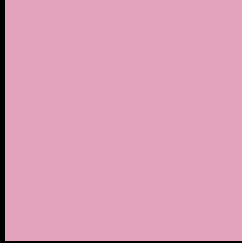
Large Text (above 18pt) WCAG AA × Fail

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 46.3625, 0.3505, 0.2994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

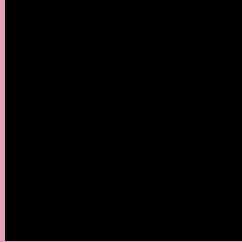
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3625, 0.3505, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 46.3625, 0.3505, 0.2994.



This preview shows how white text looks on a background with the Yxy color 46.3625, 0.3505, 0.2994.

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

46.3625, 0.3505, 0.2994

Protanopia

46.5159, 0.2972, 0.3034

Deuteranopia

46.5088, 0.3221, 0.3153



Tritanopia

46.4555, 0.3595, 0.3141

Trichromacy



Original Color

46.3625, 0.3505, 0.2994

Protanomaly

46.1279, 0.3149, 0.3018

Deuteranomaly

46.1666, 0.3317, 0.3084

Tritanomaly

46.2592, 0.3559, 0.3083

Monochromacy



Original Color

46.3625, 0.3505, 0.2994

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.4070, 0.3264, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3625, 0.3505, 0.2994 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(228, 163, 189)` looks like.

```
.text, #text, p{  
    color:rgb(228, 163, 189)  
}
```

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(228, 163, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 163, 189) }
```

Border

The CSS property to change the border of an element to Yxy 46.3625, 0.3505, 0.2994 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(228, 163, 189) }
```

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

```
.border{ border-color:rgb(228, 163, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 163, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 163, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 163, 189);  
box-shadow:4px 4px 4px 4px rgb(228, 163,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3625, 0.3505, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 163, 189) }
```

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

```
.background{ background-color: rgb(228,  
163, 189) }
```

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