

Converting Colors

$Y_{xy}(46.3970, 0.3467, 0.2873)$

Have a look what the booklet for
Yxy(46.3970, 0.3467, 0.2873)
contains.

Yxy(46.3286, 0.3472, 0.2876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3286, 0.3472, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	E8A0C5
RGB	232, 160, 197
RGB Percent	91%, 63%, 77%
CMY	0.0902, 0.3725, 0.2274
CMYK	0.00, 0.31, 0.15, 0.09
HSL	329°, 61%, 77%
HSV	329°, 31%, 91%
XYZ	55.9294, 46.3286, 58.8289
YIQ	185.7460, 31.0350, 26.7710

Conversions

Conversions Part 2

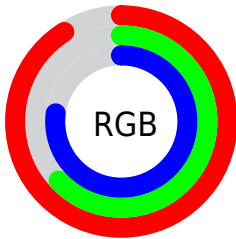
Format	Color
R _Y B	232, 160, 197
Decimal	15245509
CIE Lab	73.76, 32.10, -8.14
CIE LCh	74, 33.117, 345.773
Yxy	46.3286, 0.3472, 0.2876
Android (android.graphics.Color)	4293435589 (0xFFE8A0C5)
YUV	185.7460, 5.5482, 40.5648
Hunter-Lab	68.0651, 27.5602, -3.5990

Details

The Yxy color $46.3286, 0.3472, 0.2876$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $69.1273, 0.2884, 0.3747$, and the grayscale version is $48.9104, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.0166, 0.3152, 0.2910$, and $21.6125, 0.3567, 0.2764$ is the 20% darker color. If you saturate the color by 10%, you get $38.5257, 0.3629, 0.2740$, and if you desaturate by 10%, it is $55.6752, 0.3339, 0.3014$.

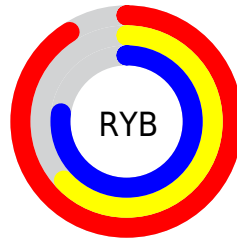
Distribution



Red (91%)

Green (63%)

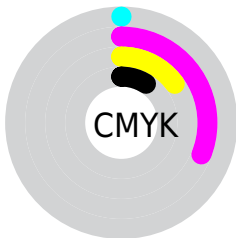
Blue (77%)



Red (91%)

Yellow (63%)

Blue (77%)

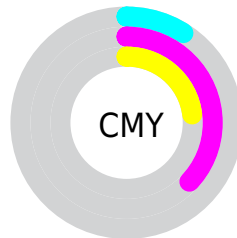


Cyan (0%)

Magenta (31%)

Yellow (15%)

Black (9%)



Cyan (9%)


Magenta (37%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3286, 0.3472, 0.2876 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 46.3286, 0.3472, 0.2876 by changing the saturation by 10% instead.

 46.3286, 0.3472,
0.2876


 46.3286, 0.3472,
0.2876


372.1282, 0.3303,
0.3076

 32.5052, 0.3513,
0.2828


 84.7106, 0.3411,
0.2947

 21.7477, 0.3566,
0.2767


 110.0379, 0.3388,
0.2975

 13.6716, 0.3635,
0.2688


139.9687, 0.3369,
0.2998

 7.8926, 0.3729,
0.2582

174.8874, 0.3352,
0.3018

 4.0263, 0.3866,
0.2430

215.1782, 0.3337,
0.3035

 1.6883, 0.4082,
0.2197

261.2257, 0.3324,

 0.4161, 0.4600,

0.3051

0.1561

313.4142, 0.3313,
0.3064

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.3286, 0.3472,
0.2876

46.3286, 0.3472,
0.2876

38.5257, 0.3629,
0.2740

55.6752, 0.3339,
0.3014

32.1757, 0.3812,
0.2613

66.6372, 0.3228,
0.3149

27.1881, 0.4019,
0.2506

79.2893, 0.3136,
0.3277

23.4592, 0.4246,
0.2432

93.6998, 0.3060,
0.3397

■ 20.8705, 0.4485,
0.2402

■ 95.7922, 0.2996,
0.3306

■ 19.2804, 0.4723,
0.2426

■ 95.8960, 0.2987,
0.3290

■ 18.4947, 0.4929,
0.2489

Harmonies

Analogous

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



46.3286, 0.2999, 0.2639



46.3286, 0.3472, 0.2876



46.3286, 0.3869, 0.3210

Triad

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



46.3286, 0.3472, 0.2876



46.3286, 0.3643, 0.4114



46.3286, 0.2283, 0.2890

Complementary

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



46.3286, 0.3472, 0.2876



69.1273, 0.2884, 0.3747

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.



46.3286, 0.2428, 0.3306



46.3286, 0.3472, 0.2876



46.3286, 0.3200, 0.4071

Square

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



46.3286, 0.3472, 0.2876



46.3286, 0.3962, 0.3916



46.3286, 0.2757, 0.3761



46.3286, 0.2341, 0.2626

Rectangle

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



46.3286, 0.3472, 0.2876



46.3286, 0.4020, 0.3458



46.3286, 0.2757, 0.3761



46.3286, 0.2309, 0.3015

Sweetspot

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



46.3307, 0.3472, 0.2876



85.5239, 0.3208, 0.3175



42.5446, 0.2849, 0.2444



17.8398, 0.3223, 0.3156



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.



46.3307, 0.3472, 0.2876



51.2389, 0.3566, 0.2791



44.8790, 0.3820, 0.3278



14.4911, 0.3212, 0.3170



10.2930, 0.4894, 0.2470



0.7794, 0.4581, 0.2297

Inverse Universe

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



46.3307, 0.3472, 0.2876



51.2389, 0.3566, 0.2791



70.9462, 0.2689, 0.3303



14.4911, 0.3212, 0.3170



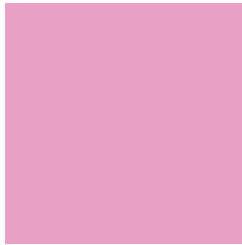
10.2930, 0.4894, 0.2470



0.7794, 0.4581, 0.2297

Previews

White Background



This preview shows how the Yxy color 46.3286, 0.3472, 0.2876 looks on a white background.

Color Contrast Check

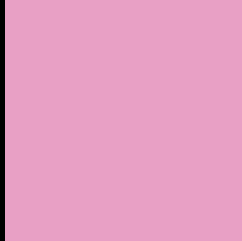
Large Text (above 18pt) WCAG AA × Fail

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 46.3286, 0.3472, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

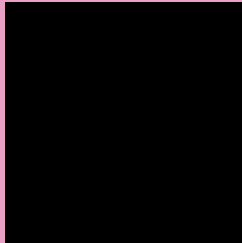
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3286, 0.3472, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 46.3286, 0.3472, 0.2876.



This preview shows how white text looks on a background with the Yxy color 46.3286, 0.3472, 0.2876.

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

46.3286, 0.3472, 0.2876

Protanopia

46.5258, 0.2868, 0.2909

Deuteranopia

46.4150, 0.3138, 0.3065



Tritanopia

46.5085, 0.3644, 0.3154

Trichromacy



Original Color

46.3286, 0.3472, 0.2876



Protanomaly

46.0307, 0.3068, 0.2898



Deuteranomaly

46.0995, 0.3258, 0.2989



Tritanomaly

46.6440, 0.3580, 0.3052

Monochromacy



Original Color

46.3286, 0.3472, 0.2876



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.8585, 0.3248, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3286, 0.3472, 0.2876 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(232, 160, 197)` looks like.

```
.text, #text, p{  
    color:rgb(232, 160, 197)  
}
```

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(232, 160, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 160, 197) }
```

Border

The CSS property to change the border of an element to Yxy 46.3286, 0.3472, 0.2876 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(232, 160, 197) }
```

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

```
.border{ border-color:rgb(232, 160, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 160, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 160, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 160, 197);  
box-shadow:4px 4px 4px 4px rgb(232, 160,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3286, 0.3472, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 160, 197) }
```

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

```
.background{ background-color: rgb(232,  
160, 197) }
```

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