

Converting Colors

$Y_{xy}(54.1270, 0.3232, 0.2865)$

Have a look what the booklet for
Yxy(54.1270, 0.3232, 0.2865)
contains.

Yxy(54.1985, 0.3230, 0.2871)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.1985, 0.3230, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	E4B4DA
RGB	228, 180, 218
RGB Percent	89%, 71%, 85%
CMY	0.1059, 0.2941, 0.1449
CMYK	0.00, 0.21, 0.04, 0.11
HSL	312°, 47%, 80%
HSV	312°, 21%, 89%
XYZ	60.9757, 54.1985, 73.6050
YIQ	198.6840, 16.4100, 21.9940

Conversions

Conversions Part 2

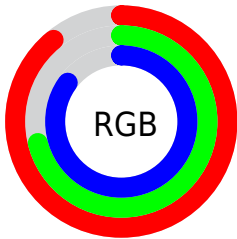
Format	Color
R _Y B	228, 180, 218
Decimal	14988506
CIE Lab	78.58, 23.57, -12.46
CIE LCh	79, 26.662, 332.130
Yxy	54.1985, 0.3230, 0.2871
Android (android.graphics.Color)	4293178586 (0xFFE4B4DA)
YUV	198.6840, 9.5228, 25.7101
Hunter-Lab	73.6196, 19.0088, -7.7445

Details

The Yxy color $54.1985, 0.3230, 0.2871$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $68.9076, 0.3039, 0.3749$, and the grayscale version is $56.8459, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $26.5937, 0.3253, 0.2772$ is the 20% darker color. If you saturate the color by 10%, you get $45.4957, 0.3290, 0.2667$, and if you desaturate by 10%, it is $64.4273, 0.3177, 0.3074$.

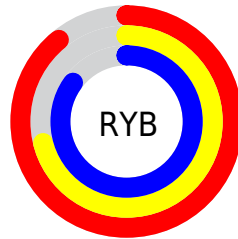
Distribution



Red (89%)

Green (71%)

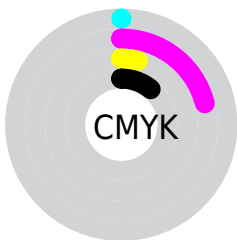
Blue (85%)



Red (89%)

Yellow (71%)

Blue (85%)

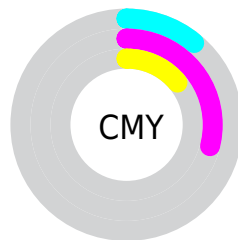


Cyan (0%)

Magenta (21%)

Yellow (4%)

Black (11%)



Cyan (11%)


Magenta (29%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1985, 0.3230, 0.2871 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 54.1985, 0.3230, 0.2871 by changing the saturation by 10% instead.

 54.1985, 0.3230,
0.2871

 54.1985, 0.3230,
0.2871


402.8665, 0.3183,
0.3068

 38.7604, 0.3241,
0.2825


 96.3656, 0.3214,
0.2940

 26.5734, 0.3253,
0.2768


123.8634, 0.3208,
0.2967

 17.2531, 0.3269,
0.2696


156.1499, 0.3202,
0.2990

 10.4151, 0.3290,
0.2599


193.6095, 0.3197,
0.3009

 5.6750, 0.3317,
0.2467

236.6266, 0.3193,
0.3027

 2.6485, 0.3355,
0.2272

285.5855, 0.3189,

 0.9511, 0.3407,

0.3042

0.1962

340.8707, 0.3186,
0.3056

0.0000, 0.3782,
0.0000

0.0000, 0.0000,
0.0000

54.1985, 0.3230,
0.2871

54.1985, 0.3230,
0.2871

45.4957, 0.3290,
0.2667

64.4273, 0.3177,
0.3074

38.2377, 0.3358,
0.2468

76.2438, 0.3132,
0.3270

32.3467, 0.3432,
0.2283

89.7153, 0.3093,
0.3456

27.7346, 0.3511,
0.2123

94.1269, 0.3064,
0.3473

■ 24.3030, 0.3593,
0.1997

■ 94.4071, 0.3037,
0.3424

■ 21.9392, 0.3676,
0.1915

■ 94.6947, 0.3011,
0.3376

■ 20.5084, 0.3756,
0.1879

■ 94.9896, 0.2985,
0.3328

■ 19.8179, 0.3825,
0.1881

■ 95.2344, 0.2964,
0.3290

Harmonies

Analogous

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



54.1985, 0.2878, 0.2732



54.1985, 0.3230, 0.2871



54.1985, 0.3571, 0.3107

Triad

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



54.1985, 0.3230, 0.2871



54.1985, 0.3656, 0.3874



54.1985, 0.2504, 0.3126

Complementary

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



54.1985, 0.3230, 0.2871



68.9076, 0.3039, 0.3749

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.



54.1985, 0.2690, 0.3466



54.1985, 0.3230, 0.2871



54.1985, 0.3350, 0.3920

Square

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



54.1985, 0.3230, 0.2871



54.1985, 0.3822, 0.3674



54.1985, 0.2997, 0.3770



54.1985, 0.2475, 0.2858

Rectangle

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



54.1985, 0.3230, 0.2871



54.1985, 0.3738, 0.3296



54.1985, 0.2997, 0.3770



54.1985, 0.2550, 0.3236

Sweetspot

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



54.2009, 0.3230, 0.2871



90.4209, 0.3153, 0.3173



49.1396, 0.2847, 0.2718



19.1405, 0.3156, 0.3160



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.



54.2009, 0.3230, 0.2871



65.0278, 0.3254, 0.2787



53.0498, 0.3426, 0.3128



14.5613, 0.3169, 0.3106



11.4610, 0.3814, 0.1875



0.8599, 0.3708, 0.1817

Inverse Universe

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



54.2009, 0.3230, 0.2871



65.0278, 0.3254, 0.2787



70.0263, 0.2897, 0.3459



14.5613, 0.3169, 0.3106



11.4610, 0.3814, 0.1875



0.8599, 0.3708, 0.1817

Previews

White Background



This preview shows how the Yxy color 54.1985, 0.3230, 0.2871 looks on a white background.

Color Contrast Check

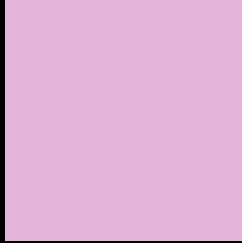
Large Text (above 18pt) WCAG AA × Fail

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 54.1985, 0.3230, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

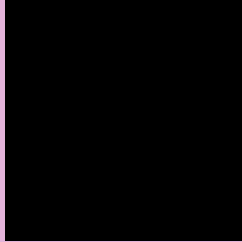
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.1985, 0.3230, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 54.1985, 0.3230, 0.2871.



This preview shows how white text looks on a background with the Yxy color 54.1985, 0.3230, 0.2871.

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

54.1985, 0.3230, 0.2871

Protanopia

54.3773, 0.2849, 0.2886

Deuteranopia

54.1904, 0.3046, 0.2974



Tritanopia

54.3657, 0.3363, 0.3132

Trichromacy



Original Color

54.1985, 0.3230, 0.2871

Protanomaly

54.0448, 0.2981, 0.2873

Deuteranomaly

54.2737, 0.3111, 0.2936

Tritanomaly

54.4435, 0.3316, 0.3043

Monochromacy



Original Color

54.1985, 0.3230, 0.2871

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

55.8571, 0.3167, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1985, 0.3230, 0.2871 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, 180, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 180, 218)  
}
```

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, 180, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 180, 218) }
```

Border

The CSS property to change the border of an element to Yxy 54.1985, 0.3230, 0.2871 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, 180, 218) }
```

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

```
.border{ border-color:rgb(228, 180, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 180, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 180, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 180, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 180,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1985, 0.3230, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 180, 218) }
```

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

```
.background{ background-color: rgb(228,  
180, 218) }
```

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