

Converting Colors

$Y_{xy}(55.2308, 0.3037, 0.2597)$

Have a look what the booklet for
Yxy(55.2308, 0.3037, 0.2597)
contains.

Yxy(55.4299, 0.3040, 0.2602)	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(55.4299, 0.3040, 0.2602)

Conversions

Conversions Part 1

Format	Color
Hex	E5B3F4
RGB	229, 179, 244
RGB Percent	90%, 70%, 96%
CMY	0.1019, 0.2980, 0.0433
CMYK	0.06, 0.27, 0.00, 0.04
HSL	286°, 75%, 83%
HSV	286°, 27%, 96%
XYZ	64.7605, 55.4299, 92.8376
YIQ	201.3600, 8.9350, 30.8150

Conversions

Conversions Part 2

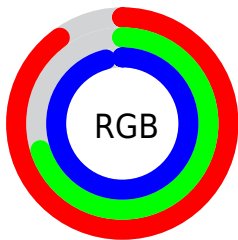
Format	Color
R _Y B	229, 179, 244
Decimal	15053812
CIE Lab	79.29, 29.25, -25.36
CIE LCh	79, 38.712, 319.074
Yxy	55.4299, 0.3040, 0.2602
Android (android.graphics.Color)	4293243892 (0xFFE5B3F4)
YUV	201.3600, 21.0215, 24.2403
Hunter-Lab	74.4513, 24.9764, -21.8163

Details

The Yxy color **55.4299, 0.3040, 0.2602** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.3915, 0.3187, 0.4035**, and the grayscale version is **58.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **27.4368, 0.3007, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **45.5947, 0.2996, 0.2333**, and if you desaturate by 10%, it is **67.0295, 0.3078, 0.2869**.

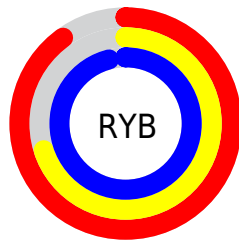
Distribution



Red (90%)

Green (70%)

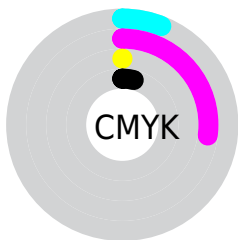
Blue (96%)



Red (90%)

Yellow (70%)

Blue (96%)

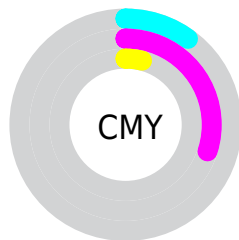


Cyan (6%)

Magenta (27%)

Yellow (0%)

Black (4%)



Cyan (10%)


Magenta (30%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4299, 0.3040, 0.2602 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 55.4299, 0.3040, 0.2602 by changing the saturation by 10% instead.

 55.4299, 0.3040,
0.2602

 55.4299, 0.3040,
0.2602


407.5395, 0.3089,
0.2917

 39.7460, 0.3027,
0.2531


 98.1705, 0.3058,
0.2710

 27.3406, 0.3010,
0.2444


125.9961, 0.3065,
0.2753

 17.8292, 0.2986,
0.2336


158.6377, 0.3071,
0.2790

 10.8274, 0.2953,
0.2196

196.4796, 0.3075,
0.2822

 5.9509, 0.2904,
0.2009

239.9064, 0.3079,
0.2850

 2.8152, 0.2823,
0.1752

289.3024, 0.3083,

 1.0361, 0.2676,

0.2875

0.1380

345.0519, 0.3086,
0.2897

0.0000, 0.2534,
0.0000

0.0000, 0.0000,
0.0000

55.4299, 0.3040,
0.2602

55.4299, 0.3040,
0.2602

45.5947, 0.2996,
0.2333

67.0295, 0.3078,
0.2869

37.4253, 0.2945,
0.2072

80.4711, 0.3109,
0.3127

30.8243, 0.2889,
0.1830

95.8363, 0.3135,
0.3371

25.6810, 0.2829,
0.1618

98.6439, 0.3169,
0.3397

■ 21.8704, 0.2767,
0.1445

■ 99.3090, 0.3191,
0.3396

■ 19.2454, 0.2704,
0.1319

■ 17.6216, 0.2643,
0.1239

■ 17.2009, 0.2623,
0.1219

Harmonies

Analogous

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



55.4299, 0.2582, 0.2481



55.4299, 0.3040, 0.2602



55.4299, 0.3561, 0.2873

Triad

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



55.4299, 0.3040, 0.2602



55.4299, 0.4014, 0.4005



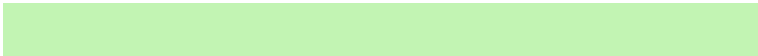
55.4299, 0.2334, 0.3248

Complementary

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



55.4299, 0.3040, 0.2602



79.3915, 0.3187, 0.4035

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.



55.4299, 0.2671, 0.3760



55.4299, 0.3040, 0.2602



55.4299, 0.3641, 0.4208

Square

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



55.4299, 0.3040, 0.2602



55.4299, 0.4148, 0.3647



55.4299, 0.3147, 0.4132



55.4299, 0.2202, 0.2805

Rectangle

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



55.4299, 0.3040, 0.2602



55.4299, 0.3863, 0.3112



55.4299, 0.3147, 0.4132



55.4299, 0.2425, 0.3420

Sweetspot

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



55.4323, 0.3040, 0.2602



86.7888, 0.3105, 0.3092



54.7684, 0.2682, 0.2708



18.0774, 0.3101, 0.3053



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.



55.4323, 0.3040, 0.2602



55.1335, 0.3017, 0.2455



56.9935, 0.3294, 0.2793



16.5649, 0.3101, 0.3054



9.4213, 0.2633, 0.1224



0.8737, 0.2708, 0.1266

Inverse Universe

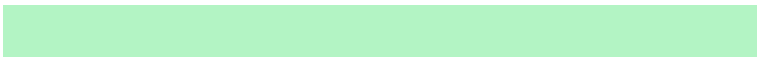
The Inverse Universe completely reimagines the original color for something new.



55.3601, 0.3570, 0.3130



55.1140, 0.3695, 0.3096



78.2594, 0.2994, 0.3846



16.5450, 0.3257, 0.3236



10.6310, 0.5992, 0.3075



0.9495, 0.5648, 0.2885

Previews

White Background



This preview shows how the Yxy color 55.4299, 0.3040, 0.2602 looks on a white background.

Color Contrast Check

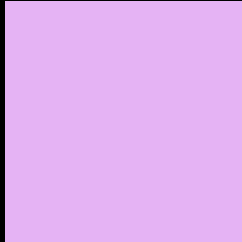
Large Text (above 18pt) WCAG AA × Fail

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 55.4299, 0.3040, 0.2602 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 55.4299, 0.3040, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 55.4299, 0.3040, 0.2602.



This preview shows how white text looks on a background with the Yxy color 55.4299, 0.3040, 0.2602.

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

55.4299, 0.3040, 0.2602

Protanopia

55.6273, 0.2631, 0.2595

Deuteranopia

55.3876, 0.2794, 0.2728



Tritanopia

55.4929, 0.3310, 0.3120

Trichromacy



Original Color

55.4299, 0.3040, 0.2602

Protanomaly

55.3660, 0.2764, 0.2598

Deuteranomaly

55.0733, 0.2879, 0.2676

Tritanomaly

55.2983, 0.3210, 0.2924

Monochromacy



Original Color

55.4299, 0.3040, 0.2602

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

56.9986, 0.3093, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4299, 0.3040, 0.2602 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, 179, 244)` looks like.

```
.text, #text, p{  
    color:rgb(229, 179, 244)  
}
```

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, 179, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 179, 244) }
```

Border

The CSS property to change the border of an element to Yxy 55.4299, 0.3040, 0.2602 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, 179, 244) }
```

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

```
.border{ border-color:rgb(229, 179, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 179, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 179, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 179, 244);  
box-shadow:4px 4px 4px 4px rgb(229, 179,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4299, 0.3040, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 179, 244) }
```

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

```
.background{ background-color: rgb(229,  
179, 244) }
```

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