

Converting Colors

$Y_{xy}(55.5056, 0.2942, 0.2490)$

Have a look what the booklet for
Yxy(55.5056, 0.2942, 0.2490)
contains.

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Color

Yxy(55.6290, 0.2938, 0.2494)

Conversions

Conversions Part 1

Format	Color
Hex	E2B3FF
RGB	226, 179, 255
RGB Percent	89%, 70%, 100%
CMY	0.1137, 0.2980, 0.0000
CMYK	0.11, 0.30, 0.00, 0.00
HSL	277°, 100%, 85%
HSV	277°, 30%, 100%
XYZ	65.5325, 55.6290, 101.8898
YIQ	201.7170, 3.6160, 33.6000

Conversions

Conversions Part 2

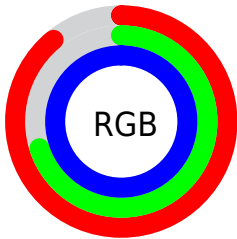
Format	Color
R _Y B	226, 179, 255
Decimal	14857215
CIE Lab	79.40, 30.50, -31.14
CIE LCh	79, 43.585, 314.408
Yxy	55.6290, 0.2938, 0.2494
Android (android.graphics.Color)	4293047295 (0xFFE2B3FF)
YUV	201.7170, 26.2685, 21.2962
Hunter-Lab	74.5849, 26.3119, -28.7863

Details

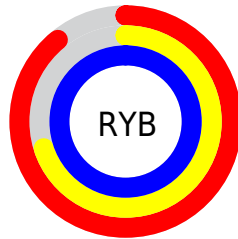
The Yxy color **55.6290, 0.2938, 0.2494** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1861, 0.3266, 0.4119**, and the grayscale version is **58.7103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **27.5450, 0.2883, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **44.8081, 0.2854, 0.2208**, and if you desaturate by 10%, it is **68.4338, 0.3012, 0.2775**.

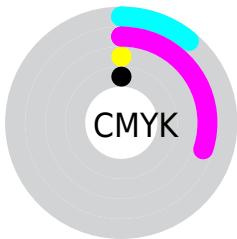
Distribution



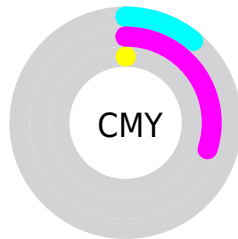
- Red (89%)
- Green (70%)
- Blue (100%)



- Red (89%)
- Yellow (70%)
- Blue (100%)



- Cyan (11%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6290, 0.2938, 0.2494 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 55.6290, 0.2938, 0.2494 by changing the saturation by 10% instead.

 55.6290, 0.2938,
0.2494

 55.6290, 0.2938,
0.2494


408.2918, 0.3036,
0.2855

 39.9055, 0.2913,
0.2414


 98.4619, 0.2974,
0.2618

 27.4649, 0.2881,
0.2316


126.3402, 0.2988,
0.2666

 17.9227, 0.2839,
0.2195


159.0389, 0.2999,
0.2708

 10.8945, 0.2781,
0.2040

196.9423, 0.3009,
0.2745

 5.9959, 0.2697,
0.1838

240.4349, 0.3017,
0.2777

 2.8426, 0.2569,
0.1565

289.9011, 0.3024,

 1.0501, 0.2354,

0.2806

0.1185

345.7253, 0.3031,
0.2832

0.0000, 0.2069,
0.0000

0.0000, 0.0000,
0.0000

55.6290, 0.2938,
0.2494

55.6290, 0.2938,
0.2494

44.8081, 0.2854,
0.2208

68.4338, 0.3012,
0.2775

35.8583, 0.2761,
0.1927

83.3133, 0.3075,
0.3044

28.6660, 0.2661,
0.1665

100.0000, 0.3127,
0.3290

23.1020, 0.2557,
0.1433

■ 19.0186, 0.2452,
0.1245

■ 16.2402, 0.2351,
0.1107

■ 14.4868, 0.2257,
0.1018

■ 14.4561, 0.2256,
0.1016

Harmonies

Analogous

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



55.6290, 0.2454, 0.2388



55.6290, 0.2938, 0.2494



55.6290, 0.3524, 0.2770

Triad

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



55.6290, 0.2938, 0.2494



55.6290, 0.4163, 0.4026



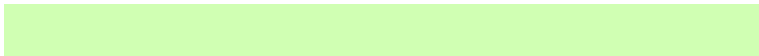
55.6290, 0.2285, 0.3327

Complementary

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



55.6290, 0.2938, 0.2494



88.1861, 0.3266, 0.4119

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.



55.6290, 0.2687, 0.3906



55.6290, 0.2938, 0.2494



55.6290, 0.3774, 0.4302

Square

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



55.6290, 0.2938, 0.2494



55.6290, 0.4269, 0.3608



55.6290, 0.3231, 0.4284



55.6290, 0.2106, 0.2806

Rectangle

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



55.6290, 0.2938, 0.2494



55.6290, 0.3883, 0.3023



55.6290, 0.3231, 0.4284



55.6290, 0.2397, 0.3525

Sweetspot

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



55.6313, 0.2938, 0.2494



84.5978, 0.3079, 0.3064



61.9836, 0.2636, 0.2759



17.6102, 0.3071, 0.3027



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.



55.6313, 0.2938, 0.2494



48.6954, 0.2887, 0.2317



60.1652, 0.3229, 0.2625



17.9339, 0.3076, 0.3051



7.6421, 0.2271, 0.1024



0.8069, 0.2376, 0.1083

Inverse Universe

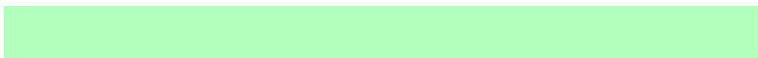
The Inverse Universe completely reimagines the original color for something new.



58.0578, 0.3542, 0.2992



51.6136, 0.3663, 0.2927



84.7296, 0.3039, 0.4061



18.1018, 0.3234, 0.3200



11.5898, 0.5458, 0.2781



1.1490, 0.5151, 0.2611

Previews

White Background



This preview shows how the Yxy color 55.6290, 0.2938, 0.2494 looks on a white background.

Color Contrast Check

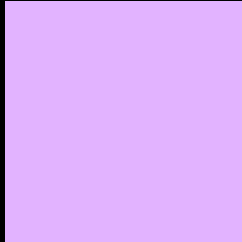
Large Text (above 18pt) WCAG AA × Fail

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 55.6290, 0.2938, 0.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

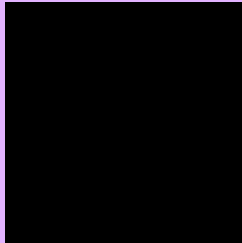
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6290, 0.2938, 0.2494

Background



This preview shows how black text looks on a background with the Yxy color 55.6290, 0.2938, 0.2494.



This preview shows how white text looks on a background with the Yxy color 55.6290, 0.2938, 0.2494.

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

55.6290, 0.2938, 0.2494

Protanopia

55.9535, 0.2625, 0.2605

Deuteranopia

55.7330, 0.2686, 0.2620



Tritanopia

55.6603, 0.3250, 0.3119

Trichromacy



Original Color

55.6290, 0.2938, 0.2494



Protanomaly

55.4855, 0.2732, 0.2557



Deuteranomaly

55.4758, 0.2772, 0.2571

Tritanomaly

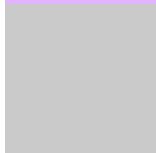
55.3978, 0.3131, 0.2867

Monochromacy



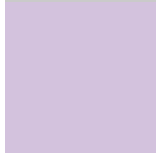
Original Color

55.6290, 0.2938, 0.2494



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.6529, 0.3063, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6290, 0.2938, 0.2494 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(226, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 179, 255)  
}
```

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(226, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.6290, 0.2938, 0.2494 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(226, 179, 255) }
```

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

```
.border{ border-color:rgb(226, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6290, 0.2938, 0.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 179, 255) }
```

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

```
.background{ background-color: rgb(226,  
179, 255) }
```

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](#).

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