

Converting Colors

$Y_{xy}(57.2832, 0.2701, 0.2131)$

Have a look what the booklet for
Yxy(57.2832, 0.2701, 0.2131)
contains.

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Color

Yxy(54.3739, 0.2953, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	E4AFFF
RGB	228, 175, 255
RGB Percent	89%, 69%, 100%
CMY	0.1058, 0.3137, 0.0001
CMYK	0.11, 0.31, 0.00, 0.00
HSL	280°, 100%, 84%
HSV	280°, 31%, 100%
XYZ	65.3771, 54.3739, 101.6411
YIQ	199.9670, 5.9080, 36.1160

Conversions

Conversions Part 2

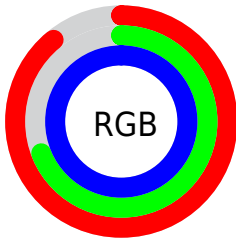
Format	Color
R _Y B	228, 175, 255
Decimal	14987263
CIE Lab	78.68, 33.27, -32.22
CIE LCh	79, 46.314, 315.912
Yxy	54.3739, 0.2953, 0.2456
Android (android.graphics.Color)	4293177343 (0xFFE4AFFF)
YUV	199.9670, 27.1313, 24.5849
Hunter-Lab	73.7387, 29.2164, -30.1081

Details

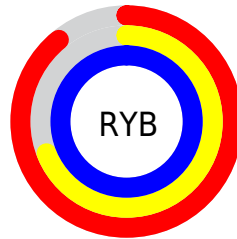
The Yxy color $54.3739, 0.2953, 0.2456$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.1545, 0.3249, 0.4174$, and the grayscale version is $57.5667, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $26.7669, 0.2902, 0.2274$ is the 20% darker color. If you saturate the color by 10%, you get $43.9992, 0.2879, 0.2176$, and if you desaturate by 10%, it is $66.6970, 0.3018, 0.2735$.

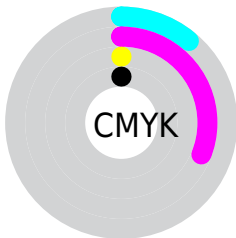
Distribution



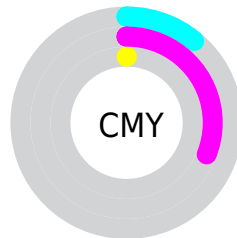
- Red (89%)
- Green (69%)
- Blue (100%)



- Red (89%)
- Yellow (69%)
- Blue (100%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3739, 0.2953, 0.2456 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 54.3739, 0.2953, 0.2456 by changing the saturation by 10% instead.

 54.3739, 0.2953,
0.2456

 54.3739, 0.2953,
0.2456

403.5342, 0.3046,
0.2834

 38.9007, 0.2929,
0.2372


 96.6230, 0.2987,
0.2585

 26.6825, 0.2898,
0.2270


124.1677, 0.3000,
0.2636

 17.3349, 0.2857,
0.2144


156.5050, 0.3011,
0.2680

 10.4735, 0.2801,
0.1983

194.0192, 0.3020,
0.2719

 5.7140, 0.2718,
0.1773

237.0949, 0.3028,
0.2752

 2.6720, 0.2590,
0.1491

286.1164, 0.3034,

 0.9630, 0.2373,

0.2783

0.1104

341.4680, 0.3040,
0.2810

0.0000, 0.2062,
0.0000

0.0000, 0.0000,
0.0000

54.3739, 0.2953,
0.2456

54.3739, 0.2953,
0.2456

43.9992, 0.2879,
0.2176

66.6970, 0.3018,
0.2735

35.4591, 0.2796,
0.1904

81.0599, 0.3074,
0.3003

28.6388, 0.2707,
0.1654

97.5566, 0.3121,
0.3257

23.4070, 0.2615,
0.1437

99.9988, 0.3127,
0.3290

■ 19.6131, 0.2522,
0.1265

■ 17.0761, 0.2433,
0.1143

■ 15.6577, 0.2359,
0.1073

Harmonies

Analogous

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



54.3739, 0.2430, 0.2332



54.3739, 0.2953, 0.2456



54.3739, 0.3581, 0.2754

Triad

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



54.3739, 0.2953, 0.2456



54.3739, 0.4217, 0.4088



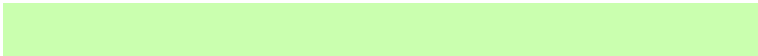
54.3739, 0.2214, 0.3295

Complementary

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



54.3739, 0.2953, 0.2456



87.1545, 0.3249, 0.4174

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.



54.3739, 0.2629, 0.3924



54.3739, 0.2953, 0.2456



54.3739, 0.3786, 0.4380

Square

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



54.3739, 0.2953, 0.2456



54.3739, 0.4352, 0.3645



54.3739, 0.3203, 0.4349



54.3739, 0.2039, 0.2746

Rectangle

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



54.3739, 0.2953, 0.2456



54.3739, 0.3962, 0.3025



54.3739, 0.3203, 0.4349



54.3739, 0.2328, 0.3508

Sweetspot

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



54.3762, 0.2953, 0.2456



84.7836, 0.3086, 0.3065



59.0415, 0.2605, 0.2695



17.6561, 0.3079, 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.



54.3762, 0.2953, 0.2456



47.2908, 0.2905, 0.2270



58.3865, 0.3257, 0.2614



17.9758, 0.3084, 0.3052



8.2681, 0.2373, 0.1081



0.8651, 0.2469, 0.1134

Inverse Universe

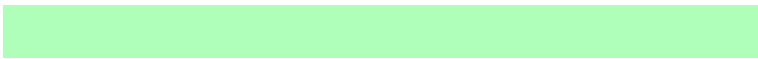
The Inverse Universe completely reimagines the original color for something new.



56.1787, 0.3603, 0.3011



49.4990, 0.3747, 0.2951



84.2101, 0.3021, 0.4076



18.0881, 0.3241, 0.3210



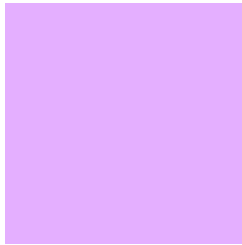
11.4843, 0.5633, 0.2877



1.1376, 0.5315, 0.2702

Previews

White Background



This preview shows how the Yxy color 54.3739, 0.2953, 0.2456 looks on a white background.

Color Contrast Check

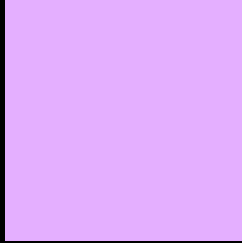
Large Text (above 18pt) WCAG AA × Fail

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 54.3739, 0.2953, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

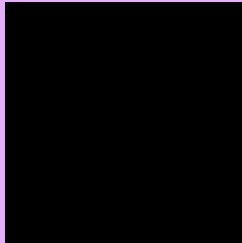
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.3739, 0.2953, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 54.3739, 0.2953, 0.2456.

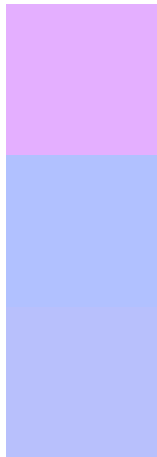


This preview shows how white text looks on a background with the Yxy color 54.3739, 0.2953, 0.2456.

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

54.3739, 0.2953, 0.2456

Protanopia

54.7070, 0.2604, 0.2578

Deuteranopia

54.9179, 0.2665, 0.2605



Tritanopia

54.5036, 0.3302, 0.3130

Trichromacy



Original Color

54.3739, 0.2953, 0.2456



Protanomaly

54.0736, 0.2722, 0.2522



Deuteranomaly

54.4890, 0.2763, 0.2547

Tritanomaly

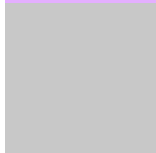
54.3112, 0.3172, 0.2867

Monochromacy



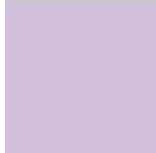
Original Color

54.3739, 0.2953, 0.2456



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

56.1305, 0.3064, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3739, 0.2953, 0.2456 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 175, 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(228, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.3739, 0.2953, 0.2456 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, 175, 255) }
```

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

```
.border{ border-color:rgb(228, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3739, 0.2953, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 175, 255) }
```

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

```
.background{ background-color: rgb(228,  
175, 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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