

Converting Colors

Yxy(52.5416, 0.3003, 0.2390)

Have a look what the booklet for
Yxy(52.5416, 0.3003, 0.2390)
contains.

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Color

Yxy(52.3499, 0.2999, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	EAA7FF
RGB	234, 167, 255
RGB Percent	92%, 65%, 100%
CMY	0.0824, 0.3451, 0.0000
CMYK	0.08, 0.35, 0.00, 0.00
HSL	286°, 100%, 83%
HSV	286°, 35%, 100%
XYZ	65.7994, 52.3499, 101.2552
YIQ	197.0650, 11.6840, 41.5720

Conversions

Conversions Part 2

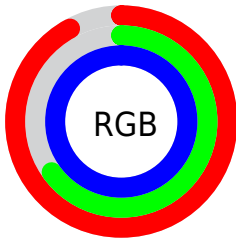
Format	Color
R_{YB}	234, 167, 255
Decimal	15378431
CIE _{Lab}	77.49, 39.34, -34.03
CIE _{LCh}	77, 52.016, 319.143
Yxy	52.3499, 0.2999, 0.2386
Android (android.graphics.Color)	4293568511 (0xFFEAA7FF)
YUV	197.0650, 28.5620, 32.3920
Hunter-Lab	72.3532, 35.7131, -32.3265

Details

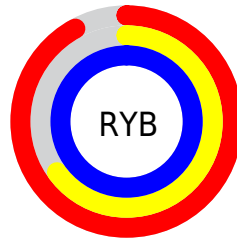
The Yxy color $52.3499, 0.2999, 0.2386$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85.0038, 0.3204, 0.4291$, and the grayscale version is $55.6957, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $25.4590, 0.2952, 0.2188$ is the 20% darker color. If you saturate the color by 10%, you get $42.8980, 0.2947, 0.2121$, and if you desaturate by 10%, it is $63.6819, 0.3044, 0.2657$.

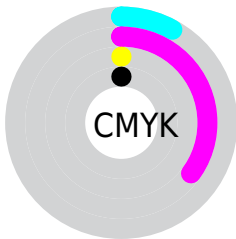
Distribution



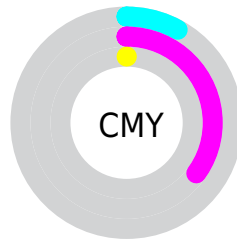
- Red (92%)
- Green (65%)
- Blue (100%)



- Red (92%)
- Yellow (65%)
- Blue (100%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3499, 0.2999, 0.2386 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 52.3499, 0.2999, 0.2386 by changing the saturation by 10% instead.


 52.3499, 0.2999,
0.2386

 52.3499, 0.2999,
0.2386

395.7859, 0.3072,
0.2794

 37.2841, 0.2979,
0.2296


 93.6471, 0.3027,
0.2525

 25.4275, 0.2953,
0.2187


 120.6472, 0.3037,
0.2580

 16.3958, 0.2917,
0.2051


152.3941, 0.3046,
0.2628

 9.8047, 0.2867,
0.1880

189.2724, 0.3053,
0.2669

 5.2697, 0.2792,
0.1659

231.6663, 0.3059,
0.2706

 2.4063, 0.2672,
0.1364

279.9603, 0.3064,

 0.8291, 0.2464,

0.2739

0.0967

334.5387, 0.3068,
0.2768

0.0000, 0.2139,
0.0000

0.0000, 0.0000,
0.0000

52.3499, 0.2999,
0.2386

52.3499, 0.2999,
0.2386

42.8980, 0.2947,
0.2121

63.6819, 0.3044,
0.2657

35.2129, 0.2890,
0.1872

76.9901, 0.3083,
0.2923

29.1755, 0.2828,
0.1651

92.3689, 0.3115,
0.3179

24.6500, 0.2763,
0.1467

100.0000, 0.3127,
0.3290

■ 21.4784, 0.2698,
0.1330

■ 19.4669, 0.2634,
0.1240

■ 18.7047, 0.2600,
0.1206

Harmonies

Analogous

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



52.3499, 0.2394, 0.2224



52.3499, 0.2999, 0.2386



52.3499, 0.3716, 0.2733

Triad

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



52.3499, 0.2999, 0.2386



52.3499, 0.4313, 0.4222



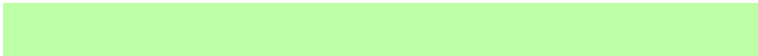
52.3499, 0.2065, 0.3209

Complementary

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



52.3499, 0.2999, 0.2386



85.0038, 0.3204, 0.4291

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.



52.3499, 0.2497, 0.3945



52.3499, 0.2999, 0.2386



52.3499, 0.3794, 0.4544

Square

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



52.3499, 0.2999, 0.2386



52.3499, 0.4519, 0.3728



52.3499, 0.3128, 0.4478



52.3499, 0.1907, 0.2614

Rectangle

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



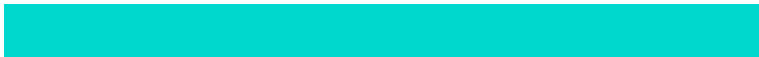
52.3499, 0.2999, 0.2386



52.3499, 0.4138, 0.3038



52.3499, 0.3128, 0.4478



52.3499, 0.2180, 0.3452

Sweetspot

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



52.3512, 0.2999, 0.2386



83.6592, 0.3098, 0.3040



51.8341, 0.2535, 0.2518



17.4516, 0.3093, 0.3004



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.



52.3512, 0.2999, 0.2386



46.0058, 0.2966, 0.2213



54.7836, 0.3346, 0.2627



18.0690, 0.3099, 0.3053



9.8458, 0.2610, 0.1211



1.0086, 0.2681, 0.1251

Inverse Universe

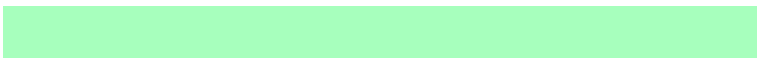
The Inverse Universe completely reimagines the original color for something new.



52.5319, 0.3750, 0.3072



46.3280, 0.3925, 0.3030



83.4107, 0.2965, 0.4062



18.0582, 0.3257, 0.3233



11.3034, 0.5970, 0.3062



1.1167, 0.5658, 0.2891

Previews

White Background



This preview shows how the Yxy color 52.3499, 0.2999, 0.2386 looks on a white background.

Color Contrast Check

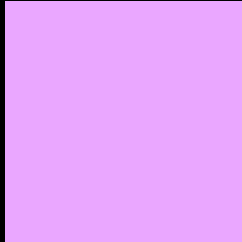
Large Text (above 18pt) WCAG AA × Fail

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 52.3499, 0.2999, 0.2386 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 52.3499, 0.2999, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 52.3499, 0.2999, 0.2386.



This preview shows how white text looks on a background with the Yxy color 52.3499, 0.2999, 0.2386.

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

52.3499, 0.2999, 0.2386

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

52.8252, 0.2627, 0.2572



Tritanopia

52.0980, 0.3413, 0.3131

Trichromacy



Original Color

52.3499, 0.2999, 0.2386



Protanomaly

52.2780, 0.2712, 0.2475



Deuteranomaly

52.0818, 0.2751, 0.2497

Tritanomaly

52.1118, 0.3251, 0.2837

Monochromacy



Original Color

52.3499, 0.2999, 0.2386



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.8814, 0.3080, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3499, 0.2999, 0.2386 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(234, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 167, 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(234, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.3499, 0.2999, 0.2386 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(234, 167, 255) }
```

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

```
.border{ border-color:rgb(234, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3499, 0.2999, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 167, 255) }
```

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

```
.background{ background-color: rgb(234,  
167, 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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