

Converting Colors

$Y_{xy}(57.1272, 0.2942, 0.2428)$

Have a look what the booklet for
Yxy(57.1272, 0.2942, 0.2428)
contains.

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Color

Yxy(56.5532, 0.2999, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	EAB2FF
RGB	234, 178, 255
RGB Percent	92%, 70%, 100%
CMY	0.0825, 0.3019, 0.0000
CMYK	0.08, 0.30, 0.00, 0.00
HSL	284°, 100%, 85%
HSV	284°, 30%, 100%
XYZ	67.8955, 56.5532, 101.9452
YIQ	203.5220, 8.6590, 35.8190

Conversions

Conversions Part 2

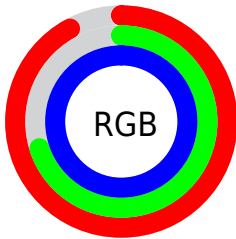
Format	Color
R_{YB}	234, 178, 255
Decimal	15381247
CIE _{Lab}	79.93, 33.48, -30.27
CIE _{LCh}	80, 45.133, 317.887
Yxy	56.5532, 0.2999, 0.2498
Android (android.graphics.Color)	4293571327 (0xFFEAB2FF)
YUV	203.5220, 25.3787, 26.7292
Hunter-Lab	75.2019, 29.5544, -27.7334

Details

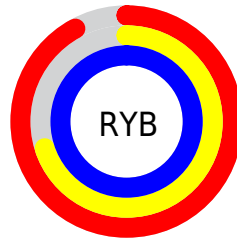
The Yxy color $56.5532, 0.2999, 0.2498$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $86.8828, 0.3214, 0.4145$, and the grayscale version is $59.9001, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $28.0916, 0.2954, 0.2327$ is the 20% darker color. If you saturate the color by 10%, you get $46.1771, 0.2942, 0.2225$, and if you desaturate by 10%, it is $68.8663, 0.3049, 0.2771$.

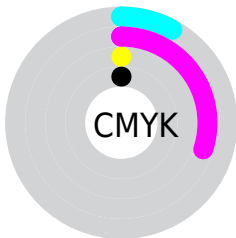
Distribution



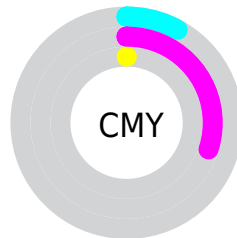
- Red (92%)
- Green (70%)
- Blue (100%)



- Red (92%)
- Yellow (70%)
- Blue (100%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5532, 0.2999, 0.2498 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 56.5532, 0.2999, 0.2498 by changing the saturation by 10% instead.


 56.5532, 0.2999,
0.2498

 56.5532, 0.2999,
0.2498


411.7730, 0.3069,
0.2856

 40.6466, 0.2981,
0.2419


 99.8130, 0.3025,
0.2620

 28.0431, 0.2957,
0.2323


127.9349, 0.3035,
0.2668

 18.3581, 0.2925,
0.2203


160.8975, 0.3043,
0.2710

 11.2074, 0.2881,
0.2052

199.0850, 0.3050,
0.2746

 6.2065, 0.2816,
0.1854

242.8820, 0.3055,
0.2778

 2.9711, 0.2713,
0.1587

292.6727, 0.3060,

 1.1166, 0.2537,

0.2807

0.1216

348.8415, 0.3065,
0.2833

0.0000, 0.2362,
0.0000

0.0000, 0.0000,
0.0000

56.5532, 0.2999,
0.2498

56.5532, 0.2999,
0.2498

46.1771, 0.2942,
0.2225

68.8663, 0.3049,
0.2771

37.6259, 0.2877,
0.1962

83.2065, 0.3091,
0.3035

30.7864, 0.2807,
0.1721

99.6668, 0.3127,
0.3285

25.5299, 0.2733,
0.1513

100.0000, 0.3127,
0.3290

■ 21.7088, 0.2658,
0.1348

■ 19.1472, 0.2584,
0.1231

■ 17.5788, 0.2514,
0.1159

Harmonies

Analogous

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



56.5532, 0.2483, 0.2366



56.5532, 0.2999, 0.2498



56.5532, 0.3604, 0.2797

Triad

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



56.5532, 0.2999, 0.2498



56.5532, 0.4158, 0.4088



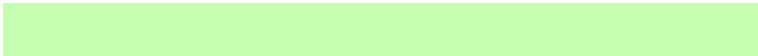
56.5532, 0.2228, 0.3257

Complementary

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



56.5532, 0.2999, 0.2498



86.8828, 0.3214, 0.4145

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.



56.5532, 0.2616, 0.3861



56.5532, 0.2999, 0.2498



56.5532, 0.3731, 0.4348

Square

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



56.5532, 0.2999, 0.2498



56.5532, 0.4308, 0.3667



56.5532, 0.3164, 0.4289



56.5532, 0.2073, 0.2740

Rectangle

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



56.5532, 0.2999, 0.2498



56.5532, 0.3962, 0.3063



56.5532, 0.3164, 0.4289



56.5532, 0.2333, 0.3460

Sweetspot

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



56.5555, 0.2999, 0.2498



85.0519, 0.3096, 0.3066



57.9160, 0.2619, 0.2660



17.7224, 0.3090, 0.3028



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.



56.5555, 0.2999, 0.2498



50.2967, 0.2967, 0.2339



59.2992, 0.3292, 0.2687



18.0363, 0.3094, 0.3053



9.2631, 0.2526, 0.1165



0.9561, 0.2606, 0.1209

Inverse Universe

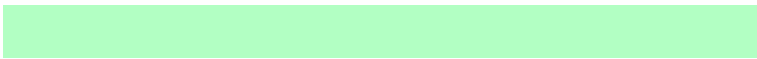
The Inverse Universe completely reimagines the original color for something new.



57.2327, 0.3623, 0.3073



51.1680, 0.3758, 0.3029



84.9133, 0.2997, 0.3981



18.0686, 0.3251, 0.3225



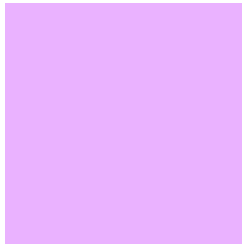
11.3588, 0.5861, 0.3002



1.1234, 0.5542, 0.2827

Previews

White Background



This preview shows how the Yxy color 56.5532, 0.2999, 0.2498 looks on a white background.

Color Contrast Check

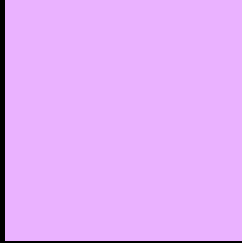
Large Text (above 18pt) WCAG AA × Fail

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 56.5532, 0.2999, 0.2498 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 56.5532, 0.2999, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 56.5532, 0.2999, 0.2498.

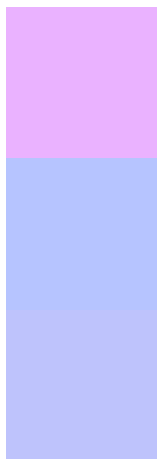


This preview shows how white text looks on a background with the Yxy color 56.5532, 0.2999, 0.2498.

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

56.5532, 0.2999, 0.2498

Protanopia

56.6449, 0.2639, 0.2619

Deuteranopia

57.0056, 0.2708, 0.2647



Tritanopia

56.4470, 0.3326, 0.3122

Trichromacy



Original Color

56.5532, 0.2999, 0.2498



Protanomaly

56.0327, 0.2760, 0.2563



Deuteranomaly

56.6089, 0.2808, 0.2589



Tritanomaly

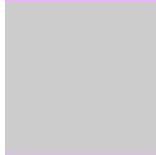
56.2129, 0.3204, 0.2875

Monochromacy



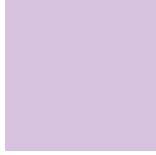
Original Color

56.5532, 0.2999, 0.2498



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.8050, 0.3080, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5532, 0.2999, 0.2498 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 178, 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, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.5532, 0.2999, 0.2498 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, 178, 255) }
```

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

```
.border{ border-color:rgb(234, 178, 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, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5532, 0.2999, 0.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 178, 255) }
```

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

```
.background{ background-color: rgb(234,  
178, 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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