

Converting Colors

Yxy(56.7836, 0.2995, 0.2505)

Have a look what the booklet for
Yxy(56.7836, 0.2995, 0.2505)
contains.

Yxy(56.7838, 0.2992, 0.2506)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7838, 0.2992, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	E9B3FF
RGB	233, 179, 255
RGB Percent	91%, 70%, 100%
CMY	0.0860, 0.2982, 0.0000
CMYK	0.09, 0.30, 0.00, 0.00
HSL	283°, 100%, 85%
HSV	283°, 30%, 100%
XYZ	67.7961, 56.7838, 102.0114
YIQ	203.8100, 7.7880, 35.0840

Conversions

Conversions Part 2

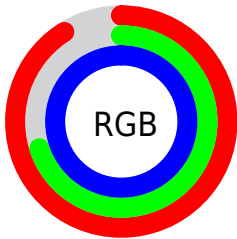
Format	Color
R _Y B	233, 179, 255
Decimal	15315967
CIE Lab	80.06, 32.70, -30.08
CIE LCh	80, 44.435, 317.387
Yxy	56.7838, 0.2992, 0.2506
Android (android.graphics.Color)	4293506047 (0xFFE9B3FF)
YUV	203.8100, 25.2367, 25.5996
Hunter-Lab	75.3550, 28.7233, -27.5150

Details

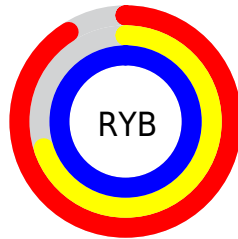
The Yxy color **56.7838, 0.2992, 0.2506** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.1752, 0.3220, 0.4131**, and the grayscale version is **60.0945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **28.2290, 0.2944, 0.2337** is the 20% darker color. If you saturate the color by 10%, you get **46.2813, 0.2931, 0.2231**, and if you desaturate by 10%, it is **69.2298, 0.3045, 0.2780**.

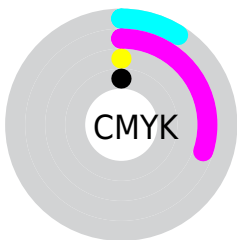
Distribution



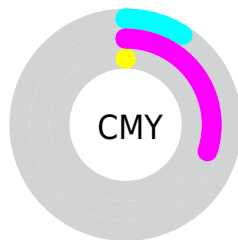
- Red (91%)
- Green (70%)
- Blue (100%)



- Red (91%)
- Yellow (70%)
- Blue (100%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7838, 0.2992, 0.2506 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 56.7838, 0.2992, 0.2506 by changing the saturation by 10% instead.


 56.7838, 0.2992,
0.2506

 56.7838, 0.2992,
0.2506

412.6387, 0.3065,
0.2860

 40.8317, 0.2973,
0.2428


 100.1497, 0.3019,
0.2627

 28.1876, 0.2949,
0.2332


128.3322, 0.3029,
0.2674

 18.4671, 0.2916,
0.2214


161.3603, 0.3038,
0.2716

 11.2859, 0.2870,
0.2064

199.6184, 0.3045,
0.2752

 6.2595, 0.2804,
0.1867

243.4909, 0.3051,
0.2784

 3.0035, 0.2700,
0.1602

293.3622, 0.3056,

 1.1336, 0.2522,

0.2812

0.1233

349.6167, 0.3061,
0.2837

0.0064, 0.2342,
0.0019

0.0000, 0.0000,
0.0000

56.7838, 0.2992,
0.2506

56.7838, 0.2992,
0.2506

46.2813, 0.2931,
0.2231

69.2298, 0.3045,
0.2780

37.6140, 0.2863,
0.1965

83.7130, 0.3090,
0.3044

30.6681, 0.2789,
0.1720

100.0000, 0.3127,
0.3290

25.3151, 0.2710,
0.1508

■ 21.4083, 0.2631,
0.1338

■ 18.7729, 0.2553,
0.1216

■ 17.1295, 0.2478,
0.1139

■ 17.1029, 0.2477,
0.1138

Harmonies

Analogous

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



56.7838, 0.2486, 0.2380



56.7838, 0.2992, 0.2506



56.7838, 0.3586, 0.2799

Triad

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



56.7838, 0.2992, 0.2506



56.7838, 0.4147, 0.4070



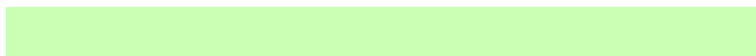
56.7838, 0.2246, 0.3268

Complementary

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



56.7838, 0.2992, 0.2506



87.1752, 0.3220, 0.4131

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.



56.7838, 0.2633, 0.3860



56.7838, 0.2992, 0.2506



56.7838, 0.3731, 0.4329

Square

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



56.7838, 0.2992, 0.2506



56.7838, 0.4288, 0.3655



56.7838, 0.3174, 0.4275



56.7838, 0.2090, 0.2757

Rectangle

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



56.7838, 0.2992, 0.2506



56.7838, 0.3940, 0.3061



56.7838, 0.3174, 0.4275



56.7838, 0.2352, 0.3468

Sweetspot

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



56.7849, 0.2992, 0.2506



84.9881, 0.3094, 0.3065



58.9368, 0.2628, 0.2684



17.7066, 0.3088, 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.



56.7849, 0.2992, 0.2506



50.0672, 0.2955, 0.2336



59.7665, 0.3279, 0.2683



18.0219, 0.3092, 0.3052



9.0166, 0.2489, 0.1145



0.9337, 0.2573, 0.1191

Inverse Universe

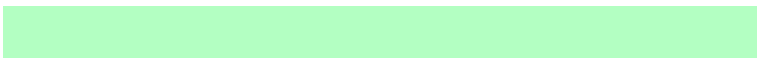
The Inverse Universe completely reimagines the original color for something new.



57.6992, 0.3604, 0.3064



51.2285, 0.3745, 0.3015



85.0028, 0.3006, 0.3986



18.0732, 0.3249, 0.3222



11.3859, 0.5810, 0.2974



1.1265, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 56.7838, 0.2992, 0.2506 looks on a white background.

Color Contrast Check

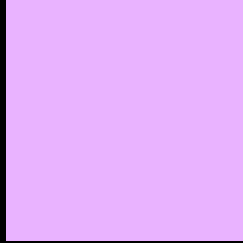
Large Text (above 18pt) WCAG AA × Fail

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 56.7838, 0.2992, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

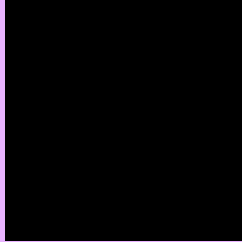
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7838, 0.2992, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 56.7838, 0.2992, 0.2506.

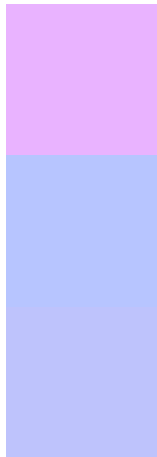


This preview shows how white text looks on a background with the Yxy color 56.7838, 0.2992, 0.2506.

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

56.7838, 0.2992, 0.2506

Protanopia

57.2198, 0.2647, 0.2632

Deuteranopia

57.0056, 0.2708, 0.2647



Tritanopia

56.7624, 0.3308, 0.3122

Trichromacy



Original Color

56.7838, 0.2992, 0.2506



Protanomaly

56.4644, 0.2761, 0.2574



Deuteranomaly

56.6089, 0.2808, 0.2589

Tritanomaly

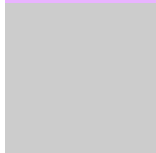
56.5196, 0.3187, 0.2875

Monochromacy



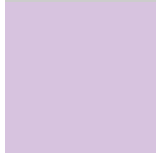
Original Color

56.7838, 0.2992, 0.2506



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 56.7838, 0.2992, 0.2506 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(233, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.7838, 0.2992, 0.2506 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(233, 179, 255) }
```

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

```
.border{ border-color:rgb(233, 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(233, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7838, 0.2992, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 179, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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