

Converting Colors

Yxy(56.6160, 0.2984, 0.2505)

Have a look what the booklet for
Yxy(56.6160, 0.2984, 0.2505)
contains.

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Color

Yxy(56.6160, 0.2984, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	E8B3FF
RGB	232, 179, 255
RGB Percent	91%, 70%, 100%
CMY	0.0902, 0.2980, 0.0001
CMYK	0.09, 0.30, 0.00, 0.00
HSL	282°, 100%, 85%
HSV	282°, 30%, 100%
XYZ	67.4420, 56.6160, 101.9540
YIQ	203.5110, 7.1920, 34.8720

Conversions

Conversions Part 2

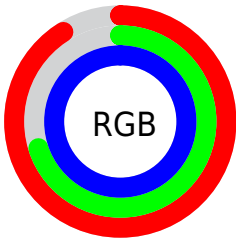
Format	Color
R _Y B	232, 179, 255
Decimal	15250431
CIE Lab	79.96, 32.33, -30.21
CIE LCh	80, 44.249, 316.942
Yxy	56.6160, 0.2984, 0.2505
Android (android.graphics.Color)	4293440511 (0xFFE8B3FF)
YUV	203.5110, 25.3841, 24.9849
Hunter-Lab	75.2436, 28.3159, -27.6666

Details

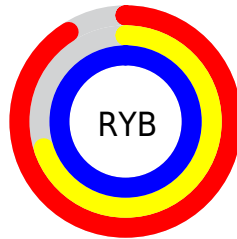
The Yxy color $56.6160, 0.2984, 0.2505$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.3110, 0.3227, 0.4129$, and the grayscale version is $59.8937, 0.3127, 0.3290$.

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 $46.0620, 0.2920, 0.2228$, and if you desaturate by 10%, it is $69.1209, 0.3040, 0.2780$.

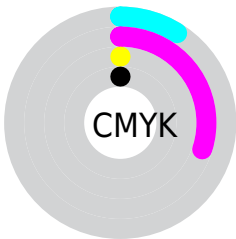
Distribution



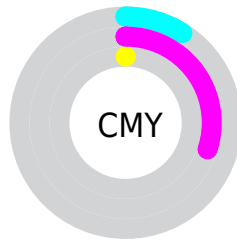
- Red (91%)
- Green (70%)
- Blue (100%)



- 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 56.6160, 0.2984, 0.2505 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 56.6160, 0.2984, 0.2505 by changing the saturation by 10% instead.


 56.6160, 0.2984,
0.2505

 56.6160, 0.2984,
0.2505


412.0088, 0.3061,
0.2860

 40.6970, 0.2964,
0.2426


 99.9047, 0.3012,
0.2626

 28.0824, 0.2939,
0.2331


128.0431, 0.3023,
0.2674

 18.3878, 0.2905,
0.2212


161.0236, 0.3032,
0.2715

 11.2288, 0.2857,
0.2061

199.2303, 0.3039,
0.2751

 6.2209, 0.2788,
0.1864

243.0479, 0.3046,
0.2783

 2.9799, 0.2680,
0.1598

292.8605, 0.3051,

 1.1212, 0.2497,

0.2812

0.1227

349.0527, 0.3056,
0.2837

0.0000, 0.2307,
0.0000

0.0000, 0.0000,
0.0000

56.6160, 0.2984,
0.2505

56.6160, 0.2984,
0.2505

46.0620, 0.2920,
0.2228

69.1209, 0.3040,
0.2780

37.3468, 0.2847,
0.1960

83.6666, 0.3088,
0.3045

30.3576, 0.2769,
0.1712

99.9980, 0.3127,
0.3290

24.9661, 0.2687,
0.1497

■ 21.0255, 0.2603,
0.1324

■ 18.3611, 0.2522,
0.1200

■ 16.6943, 0.2444,
0.1121

■ 16.6634, 0.2442,
0.1119

Harmonies

Analogous

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



56.6160, 0.2482, 0.2382



56.6160, 0.2984, 0.2505



56.6160, 0.3576, 0.2795

Triad

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



56.6160, 0.2984, 0.2505



56.6160, 0.4148, 0.4063



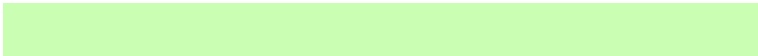
56.6160, 0.2253, 0.3277

Complementary

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



56.6160, 0.2984, 0.2505



87.3110, 0.3227, 0.4129

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.



56.6160, 0.2642, 0.3866



56.6160, 0.2984, 0.2505



56.6160, 0.3737, 0.4323

Square

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



56.6160, 0.2984, 0.2505



56.6160, 0.4284, 0.3648



56.6160, 0.3183, 0.4275



56.6160, 0.2093, 0.2765

Rectangle

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



56.6160, 0.2984, 0.2505



56.6160, 0.3931, 0.3055



56.6160, 0.3183, 0.4275



56.6160, 0.2359, 0.3476

Sweetspot

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



56.6184, 0.2984, 0.2505



84.9283, 0.3091, 0.3065



59.5469, 0.2630, 0.2700



17.6918, 0.3085, 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.



56.6184, 0.2984, 0.2505



49.8535, 0.2945, 0.2333



59.8537, 0.3269, 0.2672



18.0084, 0.3089, 0.3052



8.7911, 0.2455, 0.1126



0.9131, 0.2543, 0.1174

Inverse Universe

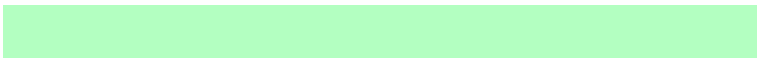
The Inverse Universe completely reimagines the original color for something new.



57.7641, 0.3594, 0.3053



51.2858, 0.3732, 0.3001



84.9332, 0.3012, 0.4000



18.0775, 0.3246, 0.3218



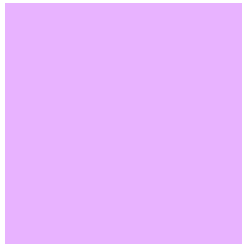
11.4129, 0.5760, 0.2947



1.1296, 0.5439, 0.2770

Previews

White Background



This preview shows how the Yxy color 56.6160, 0.2984, 0.2505 looks on a white background.

Color Contrast Check

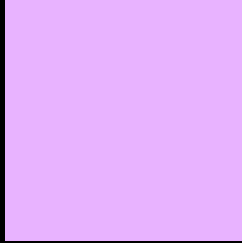
Large Text (above 18pt) WCAG AA × Fail

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 56.6160, 0.2984, 0.2505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

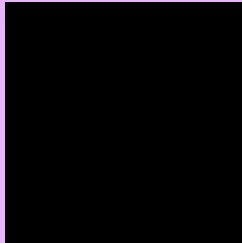
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6160, 0.2984, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 56.6160, 0.2984, 0.2505.

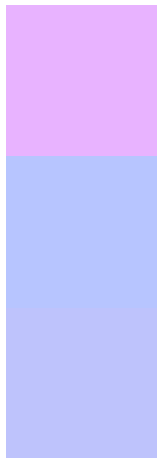


This preview shows how white text looks on a background with the Yxy color 56.6160, 0.2984, 0.2505.

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

56.6160, 0.2984, 0.2505

Protanopia

57.2198, 0.2647, 0.2632

Deuteranopia

57.0056, 0.2708, 0.2647



Tritanopia

56.6021, 0.3300, 0.3121

Trichromacy



Original Color

56.6160, 0.2984, 0.2505



Protanomaly

56.4644, 0.2761, 0.2574



Deuteranomaly

56.4662, 0.2801, 0.2588

Tritanomaly

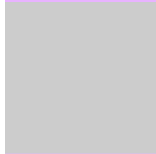
56.3565, 0.3179, 0.2874

Monochromacy



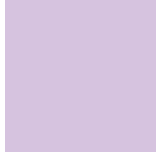
Original Color

56.6160, 0.2984, 0.2505



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.6541, 0.3072, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6160, 0.2984, 0.2505 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(232, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.6160, 0.2984, 0.2505 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(232, 179, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6160, 0.2984, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 179, 255) }
```

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

```
.background{ background-color: rgb(232,  
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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