

Converting Colors

$Y_{xy}(61.2821, 0.2760, 0.2198)$

Have a look what the booklet for
Yxy(61.2821, 0.2760, 0.2198)
contains.

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Color

Yxy(58.2723, 0.3022, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	EDB5FF
RGB	237, 181, 255
RGB Percent	93%, 71%, 100%
CMY	0.0707, 0.2901, 0.0000
CMYK	0.07, 0.29, 0.00, 0.00
HSL	285°, 100%, 85%
HSV	285°, 29%, 100%
XYZ	69.4944, 58.2723, 102.1950
YIQ	206.1800, 9.6220, 34.8860

Conversions

Conversions Part 2

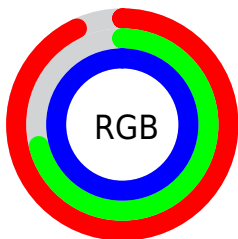
Format	Color
R _Y B	237, 181, 255
Decimal	15578623
CIE _{Lab}	80.89, 32.81, -28.77
CIE _{LCh}	81, 43.639, 318.761
Y _{xy}	58.2723, 0.3022, 0.2534
Android (android.graphics.Color)	4293768703 (0xFFEDB5FF)
YUV	206.1800, 24.0683, 27.0291
Hunter-Lab	76.3363, 28.9129, -25.9389

Details

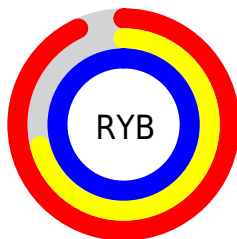
The Yxy color **58.2723, 0.3022, 0.2534** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.0030, 0.3197, 0.4111**, and the grayscale version is **61.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **28.9593, 0.2984, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **47.7849, 0.2973, 0.2264**, and if you desaturate by 10%, it is **70.6990, 0.3065, 0.2804**.

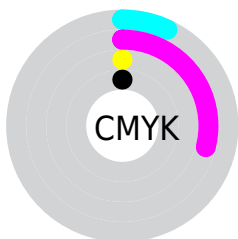
Distribution



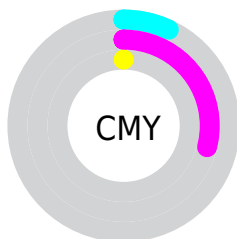
- Red (93%)
- Green (71%)
- Blue (100%)



- Red (93%)
- Yellow (71%)
- Blue (100%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2723, 0.3022, 0.2534 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 58.2723, 0.3022, 0.2534 by changing the saturation by 10% instead.


 58.2723, 0.3022,
0.2534

 58.2723, 0.3022,
0.2534


418.1998, 0.3080,
0.2875

 42.0276, 0.3007,
0.2459


 102.3193, 0.3044,
0.2650

 29.1229, 0.2987,
0.2367


130.8904, 0.3052,
0.2696

 19.1738, 0.2960,
0.2254


164.3390, 0.3058,
0.2736

 11.7959, 0.2922,
0.2109

203.0496, 0.3064,
0.2770

 6.6049, 0.2867,
0.1921

247.4066, 0.3069,
0.2801

 3.2163, 0.2779,
0.1666

297.7944, 0.3073,

 1.2456, 0.2628,

0.2828

0.1309

354.5973, 0.3077,
0.2853

0.0985, 0.2465,
0.0271

0.0000, 0.0000,
0.0000

58.2723, 0.3022,
0.2534

58.2723, 0.3022,
0.2534

47.7849, 0.2973,
0.2264

70.6990, 0.3065,
0.2804

39.1261, 0.2917,
0.2004

85.1543, 0.3100,
0.3066

32.1841, 0.2856,
0.1765

100.0000, 0.3127,
0.3290

26.8321, 0.2791,
0.1559

■ 22.9255, 0.2724,
0.1395

■ 20.2924, 0.2658,
0.1278

■ 18.6796, 0.2594,
0.1205

■ 18.5445, 0.2588,
0.1199

Harmonies

Analogous

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



58.2723, 0.2521, 0.2402



58.2723, 0.3022, 0.2534



58.2723, 0.3601, 0.2827

Triad

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



58.2723, 0.3022, 0.2534



58.2723, 0.4108, 0.4069



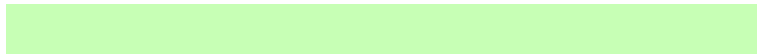
58.2723, 0.2256, 0.3244

Complementary

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



58.2723, 0.3022, 0.2534



87.0030, 0.3197, 0.4111

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.



58.2723, 0.2625, 0.3820



58.2723, 0.3022, 0.2534



58.2723, 0.3694, 0.4307

Square

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



58.2723, 0.3022, 0.2534



58.2723, 0.4258, 0.3669



58.2723, 0.3149, 0.4235



58.2723, 0.2113, 0.2753

Rectangle

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



58.2723, 0.3022, 0.2534



58.2723, 0.3939, 0.3086



58.2723, 0.3149, 0.4235



58.2723, 0.2356, 0.3437

Sweetspot

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



58.2745, 0.3022, 0.2534



85.1767, 0.3100, 0.3066



58.1272, 0.2638, 0.2659



17.7533, 0.3096, 0.3029



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.



58.2745, 0.3022, 0.2534



51.7700, 0.2993, 0.2372



60.3985, 0.3303, 0.2734



18.0645, 0.3099, 0.3053



9.7630, 0.2598, 0.1205



1.0012, 0.2671, 0.1245

Inverse Universe

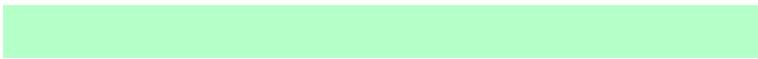
The Inverse Universe completely reimagines the original color for something new.



58.4380, 0.3616, 0.3104



52.0503, 0.3759, 0.3064



85.4926, 0.2989, 0.3920



18.0596, 0.3256, 0.3232



11.3106, 0.5956, 0.3055



1.1176, 0.5643, 0.2882

Previews

White Background



This preview shows how the Yxy color 58.2723, 0.3022, 0.2534 looks on a white background.

Color Contrast Check

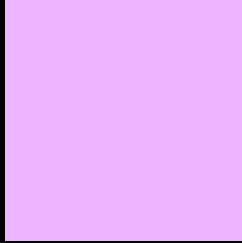
Large Text (above 18pt) WCAG AA × Fail

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 58.2723, 0.3022, 0.2534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

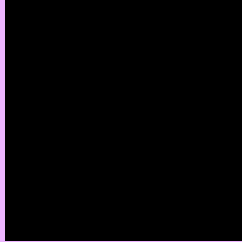
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2723, 0.3022, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 58.2723, 0.3022, 0.2534.



This preview shows how white text looks on a background with the Yxy color 58.2723, 0.3022, 0.2534.

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

58.2723, 0.3022, 0.2534

Protanopia

58.5060, 0.2669, 0.2659

Deuteranopia

58.4301, 0.2737, 0.2675



Tritanopia

58.4924, 0.3339, 0.3136

Trichromacy



Original Color

58.2723, 0.3022, 0.2534



Protanomaly

57.8984, 0.2790, 0.2602



Deuteranomaly

58.0551, 0.2837, 0.2617



Tritanomaly

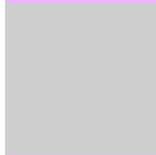
58.1920, 0.3226, 0.2902

Monochromacy



Original Color

58.2723, 0.3022, 0.2534



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

60.0660, 0.3087, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2723, 0.3022, 0.2534 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(237, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 181, 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(237, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.2723, 0.3022, 0.2534 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(237, 181, 255) }
```

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

```
.border{ border-color:rgb(237, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2723, 0.3022, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 181, 255) }
```

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

```
.background{ background-color: rgb(237,  
181, 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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