

Converting Colors

Yxy(58.6400, 0.2845, 0.2630)

Have a look what the booklet for
Yxy(58.6400, 0.2845, 0.2630)
contains.

Yxy(58.6400, 0.2845, 0.2630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.6400, 0.2845, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	D3C0FD
RGB	211, 192, 253
RGB Percent	83%, 75%, 99%
CMY	0.1727, 0.2470, 0.0079
CMYK	0.17, 0.24, 0.00, 0.01
HSL	259°, 94%, 87%
HSV	259°, 24%, 99%
XYZ	63.4338, 58.6400, 100.8920
YIQ	204.6350, -8.2570, 22.9990

Conversions

Conversions Part 2

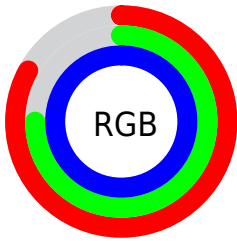
Format	Color
R _Y B	211, 192, 253
Decimal	13877501
CIE Lab	81.09, 18.44, -27.58
CIE LCh	81, 33.179, 303.771
Yxy	58.6400, 0.2845, 0.2630
Android (android.graphics.Color)	4292067581 (0xFFD3C0FD)
YUV	204.6350, 23.8439, 5.5821
Hunter-Lab	76.5768, 13.8544, -24.5125

Details

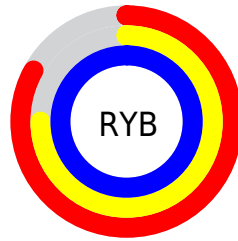
The Yxy color $58.6400, 0.2845, 0.2630$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $91.5480, 0.3365, 0.3920$, and the grayscale version is $60.6553, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $29.2304, 0.2773, 0.2474$ is the 20% darker color. If you saturate the color by 10%, you get $46.0332, 0.2700, 0.2318$, and if you desaturate by 10%, it is $73.4404, 0.2974, 0.2922$.

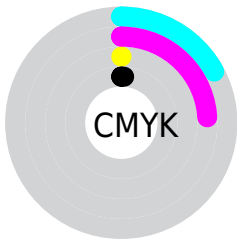
Distribution



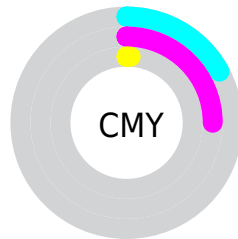
- Red (83%)
- Green (75%)
- Blue (99%)



- Red (83%)
- Yellow (75%)
- Blue (99%)



- Cyan (17%)
- Magenta (24%)
- Yellow (0%)
- Black (1%)




- Cyan (17%)
- Magenta (25%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6400, 0.2845, 0.2630 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 58.6400, 0.2845, 0.2630 by changing the saturation by 10% instead.

 58.6400, 0.2845,
0.2630

 58.6400, 0.2845,
0.2630

419.5665, 0.2983,
0.2933

 42.3234, 0.2812,
0.2562


 102.8543, 0.2894,
0.2734

 29.3546, 0.2770,
0.2479


131.5207, 0.2913,
0.2775

 19.3492, 0.2716,
0.2374


165.0725, 0.2929,
0.2810

 11.9229, 0.2644,
0.2240

203.8942, 0.2943,
0.2841

 6.6912, 0.2543,
0.2061

248.3700, 0.2955,
0.2868

 3.2697, 0.2393,
0.1815

298.8844, 0.2965,

 1.2741, 0.2152,

0.2892

0.1459

355.8218, 0.2975,
0.2913

0.1210, 0.1759,
0.0377

0.0000, 0.0000,
0.0000

58.6400, 0.2845,
0.2630

58.6400, 0.2845,
0.2630

46.0332, 0.2700,
0.2318

73.4404, 0.2974,
0.2922

35.5063, 0.2540,
0.1993

90.5264, 0.3086,
0.3189

26.9460, 0.2370,
0.1671

99.8710, 0.3139,
0.3309

20.2252, 0.2197,
0.1368

■ 15.2013, 0.2031,
0.1105

■ 11.7095, 0.1882,
0.0900

■ 9.5501, 0.1758,
0.0763

■ 8.7372, 0.1699,
0.0709

Harmonies

Analogous

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



58.6400, 0.2516, 0.2607



58.6400, 0.2845, 0.2630



58.6400, 0.3273, 0.2802

Triad

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



58.6400, 0.2845, 0.2630



58.6400, 0.3963, 0.3761



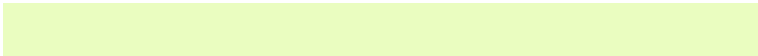
58.6400, 0.2583, 0.3479

Complementary

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



58.6400, 0.2845, 0.2630



91.5480, 0.3365, 0.3920

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.



58.6400, 0.2943, 0.3863



58.6400, 0.2845, 0.2630



58.6400, 0.3746, 0.4003

Square

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



58.6400, 0.2845, 0.2630



58.6400, 0.3944, 0.3427



58.6400, 0.3369, 0.4057



58.6400, 0.2373, 0.3063

Rectangle

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



58.6400, 0.2845, 0.2630



58.6400, 0.3558, 0.2982



58.6400, 0.3369, 0.4057



58.6400, 0.2689, 0.3619

Sweetspot

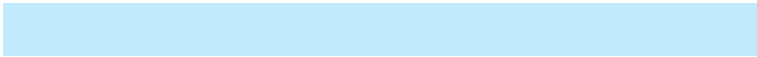
The Sweet Spot groups the original color and five complimentary colors.



58.6424, 0.2845, 0.2630



86.8762, 0.3055, 0.3114



77.5429, 0.2754, 0.3091



18.3647, 0.3048, 0.3098



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.



58.6424, 0.2845, 0.2630



53.1300, 0.2776, 0.2479



63.4629, 0.3064, 0.2671



17.6515, 0.3027, 0.3048



4.7158, 0.1713, 0.0717



0.5141, 0.1832, 0.0783

Inverse Universe

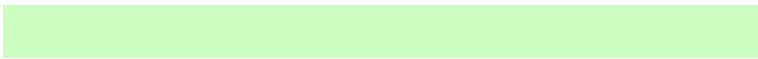
The Inverse Universe completely reimagines the original color for something new.



64.5304, 0.3296, 0.2866



60.1553, 0.3339, 0.2777



86.9163, 0.3171, 0.3960



18.1986, 0.3186, 0.3128



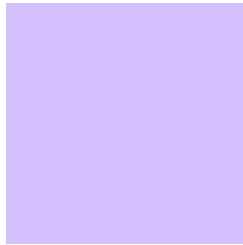
12.7696, 0.4190, 0.2082



1.2630, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 58.6400, 0.2845, 0.2630 looks on a white background.

Color Contrast Check

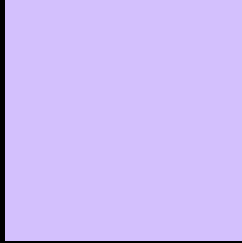
Large Text (above 18pt) WCAG AA × Fail

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 58.6400, 0.2845, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

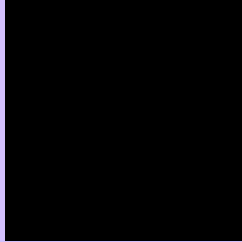
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6400, 0.2845, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 58.6400, 0.2845, 0.2630.

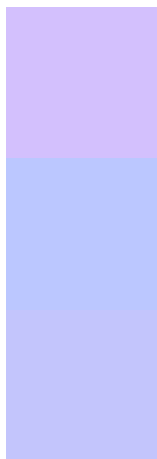


This preview shows how white text looks on a background with the Yxy color 58.6400, 0.2845, 0.2630.

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

58.6400, 0.2845, 0.2630

Protanopia

58.6316, 0.2675, 0.2660

Deuteranopia

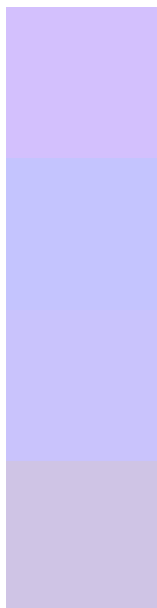
58.5629, 0.2744, 0.2676



Tritanopia

58.5905, 0.3051, 0.3104

Trichromacy



Original Color

58.6400, 0.2845, 0.2630

Protanomaly

58.3714, 0.2738, 0.2646

Deuteranomaly

58.4760, 0.2783, 0.2660

Tritanomaly

58.4024, 0.2977, 0.2916

Monochromacy



Original Color

58.6400, 0.2845, 0.2630

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

59.8479, 0.3025, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6400, 0.2845, 0.2630 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(211, 192, 253)` looks like.

```
.text, #text, p{  
    color:rgb(211, 192, 253)  
}
```

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(211, 192, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 192, 253) }
```

Border

The CSS property to change the border of an element to Yxy 58.6400, 0.2845, 0.2630 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(211, 192, 253) }
```

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

```
.border{ border-color:rgb(211, 192, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 192, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 192, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 192, 253);  
box-shadow:4px 4px 4px 4px rgb(211, 192,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6400, 0.2845, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 192, 253) }
```

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

```
.background{ background-color: rgb(211,  
192, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor