

Converting Colors

Yxy(58.6539, 0.2790, 0.2622)

Have a look what the booklet for
Yxy(58.6539, 0.2790, 0.2622)
contains.

Yxy(58.7827, 0.2792, 0.2625)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.7827, 0.2792, 0.2625)

Conversions

Conversions Part 1

Format	Color
Hex	CDC2FF
RGB	205, 194, 255
RGB Percent	80%, 76%, 100%
CMY	0.1959, 0.2392, 0.0001
CMYK	0.20, 0.24, 0.00, 0.00
HSL	251°, 100%, 88%
HSV	251°, 24%, 100%
XYZ	62.5224, 58.7827, 102.6290
YIQ	204.2430, -13.0250, 21.3030

Conversions

Conversions Part 2

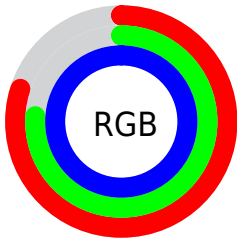
Format	Color
R _Y B	205, 194, 255
Decimal	13484799
CIE Lab	81.17, 16.00, -28.56
CIE LCh	81, 32.735, 299.263
Yxy	58.7827, 0.2792, 0.2625
Android (android.graphics.Color)	4291674879 (0xFFCDC2FF)
YUV	204.2430, 25.0232, 0.6639
Hunter-Lab	76.6699, 11.3901, -25.6957

Details

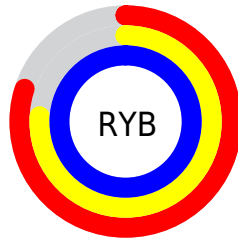
The Yxy color **58.7827, 0.2792, 0.2625** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.6118, 0.3416, 0.3904**, and the grayscale version is **60.3941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **29.3174, 0.2705, 0.2467** is the 20% darker color. If you saturate the color by 10%, you get **45.6189, 0.2621, 0.2302**, and if you desaturate by 10%, it is **74.2944, 0.2945, 0.2924**.

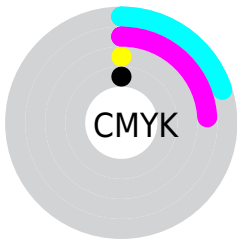
Distribution



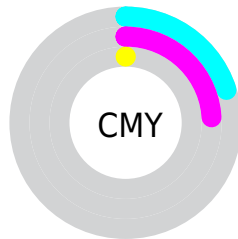
- Red (80%)
- Green (76%)
- Blue (100%)



- Red (80%)
- Yellow (76%)
- Blue (100%)



- Cyan (20%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7827, 0.2792, 0.2625 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 58.7827, 0.2792, 0.2625 by changing the saturation by 10% instead.

■ 58.7827, 0.2792,
0.2625

■ 58.7827, 0.2792,
0.2625

420.0962, 0.2954,
0.2931

■ 42.4382, 0.2753,
0.2556

■ 103.0618, 0.2850,
0.2730

■ 29.4446, 0.2705,
0.2472

131.7652, 0.2872,
0.2771

■ 19.4174, 0.2643,
0.2366

165.3570, 0.2890,
0.2807

■ 11.9723, 0.2560,
0.2230

204.2216, 0.2907,
0.2838

■ 6.7248, 0.2445,
0.2050

248.7434, 0.2921,
0.2865

■ 3.2906, 0.2277,
0.1801

299.3069, 0.2933,

■ 1.2853, 0.2012,

0.2890

0.1442

356.2963, 0.2945,
0.2911

0.1297, 0.1547,
0.0391

0.0000, 0.0000,
0.0000

58.7827, 0.2792,
0.2625

58.7827, 0.2792,
0.2625

45.6189, 0.2621,
0.2302

74.2944, 0.2945,
0.2924

34.6808, 0.2435,
0.1963

92.2537, 0.3080,
0.3193

25.8461, 0.2242,
0.1623

99.9978, 0.3127,
0.3290

18.9776, 0.2051,
0.1304

■ 13.9215, 0.1875,
0.1030

■ 10.5008, 0.1728,
0.0820

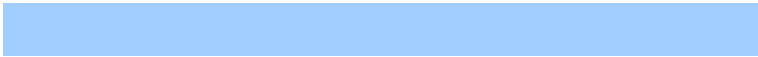
■ 8.5012, 0.1619,
0.0687

■ 7.8032, 0.1571,
0.0639

Harmonies

Analogous

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



58.7827, 0.2489, 0.2626



58.7827, 0.2792, 0.2625



58.7827, 0.3205, 0.2775

Triad

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



58.7827, 0.2792, 0.2625



58.7827, 0.3965, 0.3709



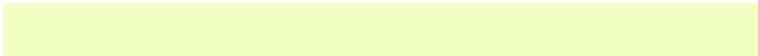
58.7827, 0.2636, 0.3540

Complementary

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



58.7827, 0.2792, 0.2625



94.6118, 0.3416, 0.3904

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.



58.7827, 0.3007, 0.3898



58.7827, 0.2792, 0.2625



58.7827, 0.3782, 0.3967

Square

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



58.7827, 0.2792, 0.2625



58.7827, 0.3908, 0.3374



58.7827, 0.3428, 0.4053



58.7827, 0.2403, 0.3124

Rectangle

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



58.7827, 0.2792, 0.2625



58.7827, 0.3491, 0.2942



58.7827, 0.3428, 0.4053



58.7827, 0.2748, 0.3674

Sweetspot

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



58.7851, 0.2792, 0.2625



86.4678, 0.3040, 0.3113



83.8732, 0.2764, 0.3181



18.2704, 0.3032, 0.3097



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.



58.7851, 0.2792, 0.2625



51.8169, 0.2707, 0.2463



63.4012, 0.3004, 0.2665



17.5360, 0.3007, 0.3046



4.1239, 0.1582, 0.0645



0.4423, 0.1676, 0.0697

Inverse Universe

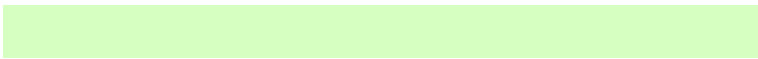
The Inverse Universe completely reimagines the original color for something new.



66.3623, 0.3235, 0.2794



60.7150, 0.3263, 0.2687



89.7375, 0.3222, 0.3944



18.2406, 0.3166, 0.3098



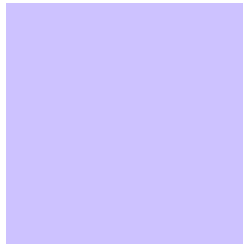
13.5294, 0.3730, 0.1828



1.3314, 0.3659, 0.1790

Previews

White Background



This preview shows how the Yxy color 58.7827, 0.2792, 0.2625 looks on a white background.

Color Contrast Check

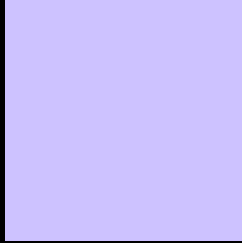
Large Text (above 18pt) WCAG AA × Fail

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 58.7827, 0.2792, 0.2625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

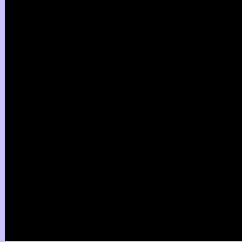
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7827, 0.2792, 0.2625

Background



This preview shows how black text looks on a background with the Yxy color 58.7827, 0.2792, 0.2625.

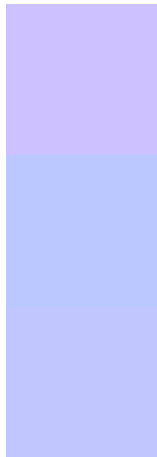


This preview shows how white text looks on a background with the Yxy color 58.7827, 0.2792, 0.2625.

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

58.7827, 0.2792, 0.2625

Protanopia

59.0933, 0.2676, 0.2672

Deuteranopia

59.0133, 0.2726, 0.2666



Tritanopia

58.7888, 0.2992, 0.3102

Trichromacy



Original Color

58.7827, 0.2792, 0.2625

Protanomaly

59.0775, 0.2720, 0.2656

Deuteranomaly

59.0940, 0.2752, 0.2660

Tritanomaly

58.5752, 0.2919, 0.2913

Monochromacy



Original Color

58.7827, 0.2792, 0.2625

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

59.4736, 0.2996, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7827, 0.2792, 0.2625 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(205, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 194, 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(205, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.7827, 0.2792, 0.2625 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(205, 194, 255) }
```

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

```
.border{ border-color:rgb(205, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7827, 0.2792, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 194, 255) }
```

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

```
.background{ background-color: rgb(205,  
194, 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](#).

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