

Converting Colors

Yxy(59.8017, 0.2811, 0.2777)

Have a look what the booklet for
Yxy(59.8017, 0.2811, 0.2777)
contains.

Yxy(60.0432, 0.2816, 0.2786)	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(60.0432, 0.2816, 0.2786)

Conversions

Conversions Part 1

Format	Color
Hex	C7C8F5
RGB	199, 200, 245
RGB Percent	78%, 78%, 96%
CMY	0.2196, 0.2157, 0.0392
CMYK	0.19, 0.18, 0.00, 0.04
HSL	239°, 70%, 87%
HSV	239°, 19%, 96%
XYZ	60.6898, 60.0432, 94.7846
YIQ	204.8310, -15.0410, 13.7830

Conversions

Conversions Part 2

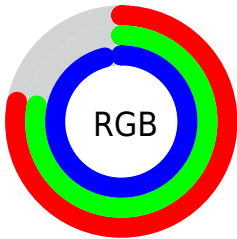
Format	Color
R _Y B	199, 200, 245
Decimal	13093109
CIE Lab	81.86, 8.74, -22.24
CIE LCh	82, 23.894, 291.450
Yxy	60.0432, 0.2816, 0.2786
Android (android.graphics.Color)	4291283189 (0xFFC7C8F5)
YUV	204.8310, 19.8033, -5.1138
Hunter-Lab	77.4875, 4.2015, -18.2837

Details

The Yxy color **60.0432, 0.2816, 0.2786** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.2444, 0.3412, 0.3749**, and the grayscale version is **60.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.2516, 0.2738, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **46.7143, 0.2622, 0.2470**, and if you desaturate by 10%, it is **75.6567, 0.2991, 0.3069**.

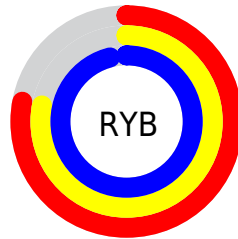
Distribution



Red (78%)

Green (78%)

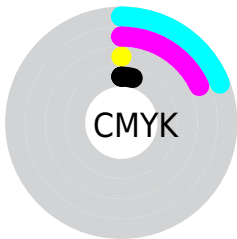
Blue (96%)



Red (78%)

Yellow (78%)

Blue (96%)

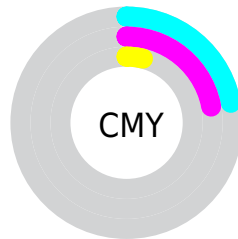


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (4%)



Cyan (22%)

Magenta (22%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0432, 0.2816, 0.2786 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 60.0432, 0.2816, 0.2786 by changing the saturation by 10% instead.

■ 60.0432, 0.2816,
0.2786

■ 60.0432, 0.2816,
0.2786

424.7570, 0.2965,
0.3021

■ 43.4535, 0.2781,
0.2732

104.8923, 0.2869,
0.2868

■ 30.2411, 0.2737,
0.2666

133.9205, 0.2889,
0.2899

■ 20.0216, 0.2680,
0.2582

167.8636, 0.2906,
0.2927

■ 12.4108, 0.2605,
0.2472

207.1061, 0.2921,
0.2950

■ 7.0241, 0.2501,
0.2323

252.0322, 0.2934,
0.2971

■ 3.4772, 0.2347,
0.2112

303.0265, 0.2946,

■ 1.3856, 0.2102,

0.2990

0.1791

360.4733, 0.2956,
0.3006

0.2061, 0.1547,
0.0779

0.0000, 0.0000,
0.0000

60.0432, 0.2816,
0.2786

60.0432, 0.2816,
0.2786

46.7143, 0.2622,
0.2470

75.6567, 0.2991,
0.3069

35.5560, 0.2413,
0.2129

93.6470, 0.3145,
0.3319

26.4556, 0.2198,
0.1776

99.3732, 0.3185,
0.3386

19.2874, 0.1989,
0.1431

■ 13.9119, 0.1802,
0.1120

■ 10.1709, 0.1654,
0.0871

■ 7.8786, 0.1555,
0.0701

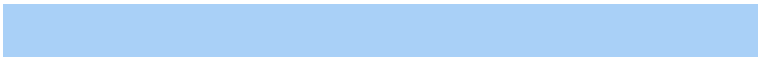
■ 6.7920, 0.1507,
0.0616

■ 6.7091, 0.1503,
0.0610

Harmonies

Analogous

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



60.0432, 0.2618, 0.2825



60.0432, 0.2816, 0.2786



60.0432, 0.3105, 0.2869

Triad

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



60.0432, 0.2816, 0.2786



60.0432, 0.3740, 0.3546



60.0432, 0.2834, 0.3545

Complementary

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



60.0432, 0.2816, 0.2786



88.2444, 0.3412, 0.3749

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.



60.0432, 0.3125, 0.3767



60.0432, 0.2816, 0.2786



60.0432, 0.3654, 0.3749

Square

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



60.0432, 0.2816, 0.2786



60.0432, 0.3651, 0.3293



60.0432, 0.3426, 0.3839



60.0432, 0.2628, 0.3252

Rectangle

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



60.0432, 0.2816, 0.2786



60.0432, 0.3315, 0.2981



60.0432, 0.3426, 0.3839



60.0432, 0.2925, 0.3632

Sweetspot

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



60.0457, 0.2816, 0.2786



88.0326, 0.3035, 0.3142



83.9535, 0.2853, 0.3306



18.5761, 0.3025, 0.3125



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.



60.0457, 0.2816, 0.2786



59.2210, 0.2735, 0.2655



62.7300, 0.2968, 0.2797



15.9845, 0.2979, 0.3050



3.6396, 0.1504, 0.0613



0.3399, 0.1513, 0.0648

Inverse Universe

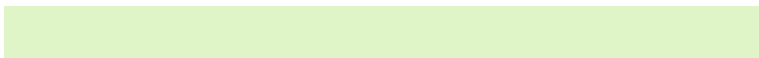
The Inverse Universe completely reimagines the original color for something new.



64.4321, 0.3488, 0.3280



64.9580, 0.3594, 0.3278



85.2087, 0.3264, 0.3781



16.4884, 0.3290, 0.3285



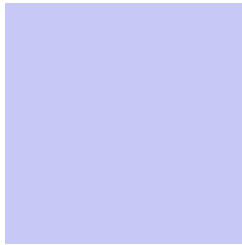
10.4668, 0.6378, 0.3287



0.9219, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 60.0432, 0.2816, 0.2786 looks on a white background.

Color Contrast Check

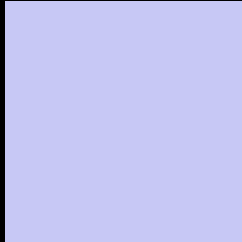
Large Text (above 18pt) WCAG AA × Fail

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 60.0432, 0.2816, 0.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

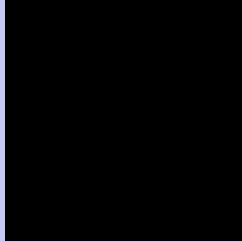
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.0432, 0.2816, 0.2786

Background



This preview shows how black text looks on a background with the Yxy color 60.0432, 0.2816, 0.2786.



This preview shows how white text looks on a background with the Yxy color 60.0432, 0.2816, 0.2786.

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

60.0432, 0.2816, 0.2786

Protanopia

60.3642, 0.2777, 0.2794

Deuteranopia

59.9960, 0.2836, 0.2778



Tritanopia

59.9551, 0.2950, 0.3102

Trichromacy



Original Color

60.0432, 0.2816, 0.2786

Protanomaly

60.1629, 0.2790, 0.2784

Deuteranomaly

59.8569, 0.2829, 0.2777

Tritanomaly

60.1048, 0.2898, 0.2990

Monochromacy



Original Color

60.0432, 0.2816, 0.2786

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

60.5757, 0.3009, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0432, 0.2816, 0.2786 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(199, 200, 245)` looks like.

```
.text, #text, p{  
    color:rgb(199, 200, 245)  
}
```

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(199, 200, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 200, 245) }
```

Border

The CSS property to change the border of an element to Yxy 60.0432, 0.2816, 0.2786 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(199, 200, 245) }
```

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

```
.border{ border-color:rgb(199, 200, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 200, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 200, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 200, 245);  
box-shadow:4px 4px 4px 4px rgb(199, 200,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0432, 0.2816, 0.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 200, 245) }
```

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

```
.background{ background-color: rgb(199,  
200, 245) }
```

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