

Converting Colors

$Yxy(65.7385, 0.2817, 0.2980)$

Have a look what the booklet for
Yxy(65.7385, 0.2817, 0.2980)
contains.

Yxy(65.9133, 0.2816, 0.2986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.9133, 0.2816, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	C2D6F1
RGB	194, 214, 241
RGB Percent	76%, 84%, 95%
CMY	0.2394, 0.1607, 0.0549
CMYK	0.20, 0.11, 0.00, 0.05
HSL	214°, 63%, 85%
HSV	214°, 20%, 95%
XYZ	62.1607, 65.9133, 92.6671
YIQ	211.0980, -20.5870, 4.1570

Conversions

Conversions Part 2

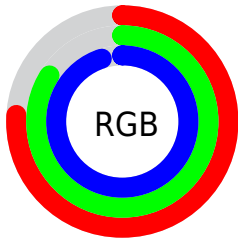
Format	Color
RYB	194, 208, 241
Decimal	12769009
CIELab	84.95, -1.13, -15.48
CIELCh	85, 15.519, 265.815
Yxy	65.9133, 0.2816, 0.2986
Android (android.graphics.Color)	4290959089 (0xFFC2D6F1)
YUV	211.0980, 14.7417, -14.9949
Hunter-Lab	81.1870, -5.4090, -10.8429

Details

The Yxy color **65.9133, 0.2816, 0.2986** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.2679, 0.3460, 0.3576**, and the grayscale version is **65.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **33.8745, 0.2742, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **56.2814, 0.2647, 0.2804**, and if you desaturate by 10%, it is **76.6611, 0.2979, 0.3150**.

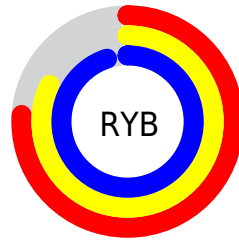
Distribution



Red (76%)

Green (84%)

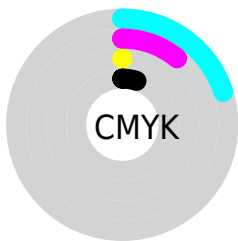
Blue (95%)



Red (76%)

Yellow (82%)

Blue (95%)

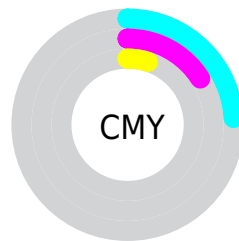


Cyan (20%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (24%)

Magenta (16%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9133, 0.2816, 0.2986 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 65.9133, 0.2816, 0.2986 by changing the saturation by 10% instead.

■ 65.9133, 0.2816,
0.2986

■ 65.9133, 0.2816,
0.2986

446.0667, 0.2961,
0.3129

■ 48.2020, 0.2783,
0.2953

■ 113.3619, 0.2867,
0.3036

■ 33.9869, 0.2741,
0.2912

143.8680, 0.2886,
0.3055

■ 22.8835, 0.2688,
0.2860

179.4078, 0.2903,
0.3072

■ 14.5075, 0.2619,
0.2791

220.3658, 0.2918,
0.3086

■ 8.4745, 0.2524,
0.2697

267.1263, 0.2931,
0.3099

■ 4.4000, 0.2387,
0.2560

320.0736, 0.2942,

■ 1.8998, 0.2173,

0.3110

0.2345

379.5923, 0.2952,
0.3120

0.5482, 0.1695,
0.1883

0.0000, 0.0000,
0.0000

65.9133, 0.2816,
0.2986

65.9133, 0.2816,
0.2986

56.2814, 0.2647,
0.2804

76.6611, 0.2979,
0.3150

47.7177, 0.2476,
0.2606

88.5540, 0.3134,
0.3297

40.1827, 0.2307,
0.2394

99.1311, 0.3209,
0.3425

33.6311, 0.2146,
0.2172

■ 28.0133, 0.2000,
0.1947

■ 23.2742, 0.1874,
0.1725

■ 19.3510, 0.1775,
0.1514

■ 16.1529, 0.1701,
0.1322

■ 16.0153, 0.1698,
0.1313

Harmonies

Analogous

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



65.9133, 0.2759, 0.3084



65.9133, 0.2816, 0.2986



65.9133, 0.2956, 0.2969

Triad

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



65.9133, 0.2816, 0.2986



65.9133, 0.3470, 0.3320



65.9133, 0.3101, 0.3569

Complementary

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



65.9133, 0.2816, 0.2986



74.2679, 0.3460, 0.3576

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.



65.9133, 0.3293, 0.3631



65.9133, 0.2816, 0.2986



65.9133, 0.3510, 0.3479

Square

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



65.9133, 0.2816, 0.2986



65.9133, 0.3334, 0.3159



65.9133, 0.3444, 0.3595



65.9133, 0.2920, 0.3424

Rectangle

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



65.9133, 0.2816, 0.2986



65.9133, 0.3079, 0.3003



65.9133, 0.3444, 0.3595



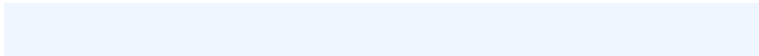
65.9133, 0.3166, 0.3600

Sweetspot

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



65.9160, 0.2816, 0.2986



91.7427, 0.3035, 0.3203



79.5742, 0.2948, 0.3517



19.4505, 0.3024, 0.3194



0.0000, 0.0000, 0.0000



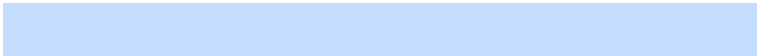
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9160, 0.2816, 0.2986



70.9120, 0.2757, 0.2924



56.7902, 0.2824, 0.2755



16.3375, 0.2980, 0.3151



8.9394, 0.1707, 0.1343



0.9370, 0.1778, 0.1599

Inverse Universe

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



62.1155, 0.3354, 0.3077



66.1382, 0.3405, 0.3036



84.9591, 0.3400, 0.3780



15.8708, 0.3226, 0.3190



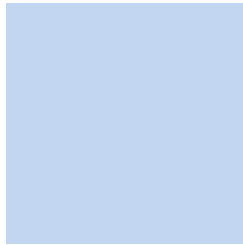
10.6958, 0.5267, 0.2675



0.9093, 0.4932, 0.2491

Previews

White Background



This preview shows how the Yxy color 65.9133, 0.2816, 0.2986 looks on a white background.

Color Contrast Check

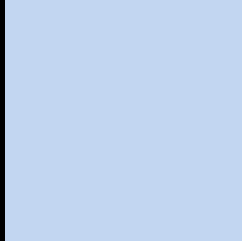
Large Text (above 18pt) WCAG AA × Fail

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 65.9133, 0.2816, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

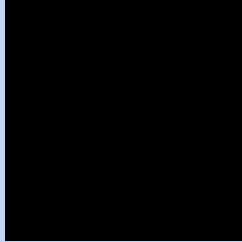
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

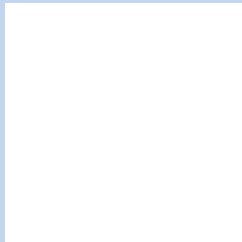
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9133, 0.2816, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 65.9133, 0.2816, 0.2986.



This preview shows how white text looks on a background with the Yxy color 65.9133, 0.2816, 0.2986.

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

65.9133, 0.2816, 0.2986

Protanopia

65.7351, 0.2921, 0.2970

Deuteranopia

66.0021, 0.2964, 0.2903



Tritanopia

65.6905, 0.2852, 0.3084

Trichromacy



Original Color

65.9133, 0.2816, 0.2986

Protanomaly

65.5763, 0.2881, 0.2968

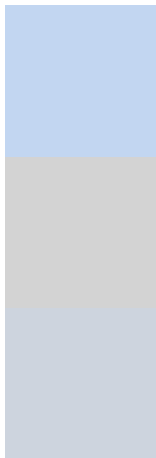
Deuteranomaly

66.0593, 0.2909, 0.2939

Tritanomaly

65.9945, 0.2840, 0.3051

Monochromacy



Original Color

65.9133, 0.2816, 0.2986

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.3400, 0.3009, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9133, 0.2816, 0.2986 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(194, 214, 241)` looks like.

```
.text, #text, p{  
    color:rgb(194, 214, 241)  
}
```

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(194, 214, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 214, 241) }
```

Border

The CSS property to change the border of an element to Yxy 65.9133, 0.2816, 0.2986 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(194, 214, 241) }
```

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

```
.border{ border-color:rgb(194, 214, 241) }
```

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

Here you see how a box with a 4 pixel rgb(194, 214, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 214, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 214, 241);  
box-shadow:4px 4px 4px 4px rgb(194, 214,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9133, 0.2816, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 214, 241) }
```

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

```
.background{ background-color: rgb(194,  
214, 241) }
```

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