

Converting Colors

Yxy(65.0647, 0.2639, 0.2848)

Have a look what the booklet for
Yxy(65.0647, 0.2639, 0.2848)
contains.

Yxy(65.1037, 0.2639, 0.2848)	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(65.1037, 0.2639, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	B1D7FE
RGB	177, 215, 254
RGB Percent	69%, 84%, 100%
CMY	0.3058, 0.1569, 0.0039
CMYK	0.30, 0.15, 0.00, 0.00
HSL	210°, 98%, 85%
HSV	210°, 30%, 100%
XYZ	60.3261, 65.1037, 103.1647
YIQ	208.0840, -35.1670, 4.0730

Conversions

Conversions Part 2

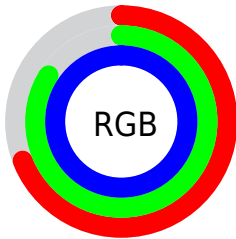
Format	Color
R _Y B	177, 202, 254
Decimal	11655166
CIE Lab	84.54, -3.66, -23.10
CIE LCh	85, 23.383, 261.004
Yxy	65.1037, 0.2639, 0.2848
Android (android.graphics.Color)	4289845246 (0xFFB1D7FE)
YUV	208.0840, 22.6366, -27.2607
Hunter-Lab	80.6869, -7.7453, -19.3263

Details

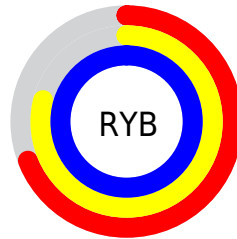
The Yxy color **65.1037, 0.2639, 0.2848** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.3804, 0.3694, 0.3694**, and the grayscale version is **63.0055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **33.3104, 0.2522, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **56.0956, 0.2474, 0.2673**, and if you desaturate by 10%, it is **75.1880, 0.2804, 0.3009**.

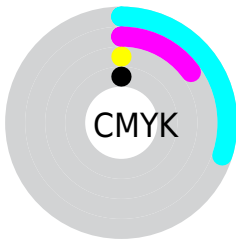
Distribution



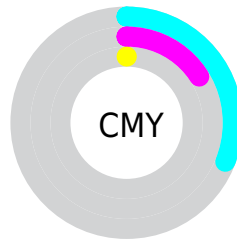
- Red (69%)
- Green (84%)
- Blue (100%)



- Red (69%)
- Yellow (79%)
- Blue (100%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1037, 0.2639, 0.2848 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 65.1037, 0.2639, 0.2848 by changing the saturation by 10% instead.

■ 65.1037, 0.2639,
0.2848

■ 65.1037, 0.2639,
0.2848

443.1645, 0.2866,
0.3055

■ 47.5452, 0.2587,
0.2800

■ 112.1989, 0.2718,
0.2920

■ 33.4668, 0.2524,
0.2741

142.5044, 0.2748,
0.2948

■ 22.4843, 0.2444,
0.2666

177.8277, 0.2774,
0.2973

■ 14.2132, 0.2339,
0.2568

218.5531, 0.2797,
0.2993

■ 8.2691, 0.2199,
0.2434

265.0652, 0.2818,
0.3012

■ 4.2676, 0.2002,
0.2244

317.7481, 0.2835,

■ 1.8244, 0.1707,

0.3028

0.1955

376.9864, 0.2851,
0.3043

0.5023, 0.1073,
0.1389

0.0000, 0.0000,
0.0000

65.1037, 0.2639,
0.2848

65.1037, 0.2639,
0.2848

56.0956, 0.2474,
0.2673

75.1880, 0.2804,
0.3009

48.1132, 0.2313,
0.2485

86.3805, 0.2966,
0.3155

41.1131, 0.2162,
0.2289

98.7215, 0.3122,
0.3286

35.0447, 0.2027,
0.2088

99.9368, 0.3133,
0.3299

■ 29.8515, 0.1912,
0.1889

■ 25.4678, 0.1822,
0.1697

■ 21.8979, 0.1756,
0.1522

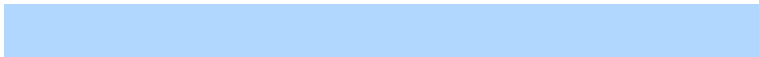
Harmonies

Analogous

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



65.1037, 0.2577, 0.3007



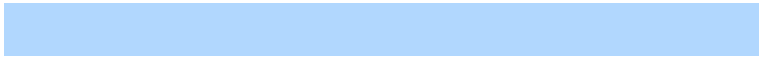
65.1037, 0.2639, 0.2848



65.1037, 0.2827, 0.2808

Triad

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



65.1037, 0.2639, 0.2848



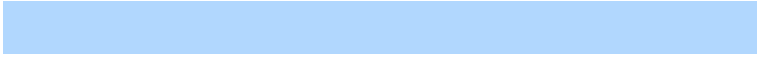
65.1037, 0.3623, 0.3290



65.1037, 0.3130, 0.3745

Complementary

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



65.1037, 0.2639, 0.2848



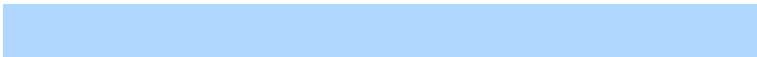
73.3804, 0.3694, 0.3694

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.



65.1037, 0.3417, 0.3812



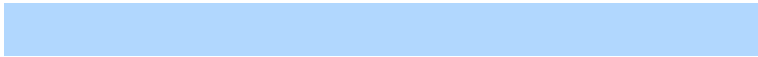
65.1037, 0.2639, 0.2848



65.1037, 0.3710, 0.3532

Square

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



65.1037, 0.2639, 0.2848



65.1037, 0.3397, 0.3058



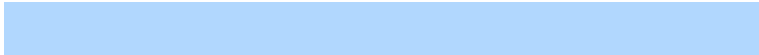
65.1037, 0.3632, 0.3726



65.1037, 0.2852, 0.3536

Rectangle

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



65.1037, 0.2639, 0.2848



65.1037, 0.3005, 0.2848



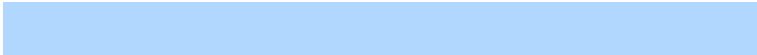
65.1037, 0.3632, 0.3726



65.1037, 0.3229, 0.3785

Sweetspot

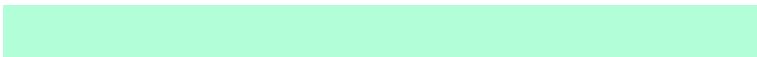
The Sweet Spot groups the original color and five complimentary colors.



65.1063, 0.2639, 0.2848



88.7070, 0.2987, 0.3173



85.1761, 0.2882, 0.3724



18.6153, 0.2964, 0.3153



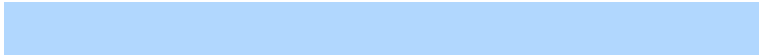
0.0000, 0.0000, 0.0000



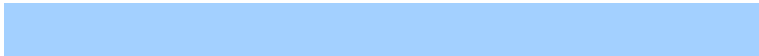
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1063, 0.2639, 0.2848



60.3737, 0.2545, 0.2750



47.9590, 0.2587, 0.2398



18.8575, 0.2979, 0.3166



11.8373, 0.1764, 0.1551



1.3707, 0.1822, 0.1759

Inverse Universe

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



57.4326, 0.3477, 0.2900



52.1032, 0.3567, 0.2824



95.1425, 0.3587, 0.4050



18.1365, 0.3216, 0.3173



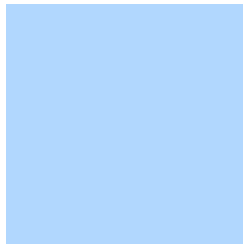
11.9229, 0.4993, 0.2524



1.1829, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 65.1037, 0.2639, 0.2848 looks on a white background.

Color Contrast Check

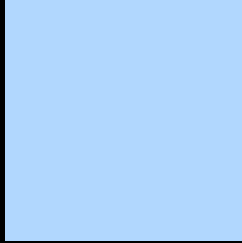
Large Text (above 18pt) WCAG AA × Fail

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 65.1037, 0.2639, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

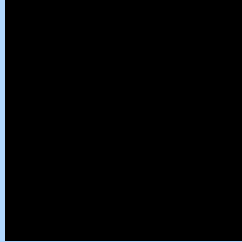
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

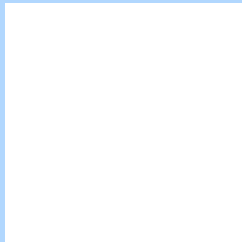
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1037, 0.2639, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 65.1037, 0.2639, 0.2848.



This preview shows how white text looks on a background with the Yxy color 65.1037, 0.2639, 0.2848.

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

65.1037, 0.2639, 0.2848

Protanopia

65.0596, 0.2812, 0.2840

Deuteranopia

64.7725, 0.2820, 0.2762



Tritanopia

65.0832, 0.2717, 0.3078

Trichromacy



Original Color

65.1037, 0.2639, 0.2848

Protanomaly

64.8910, 0.2749, 0.2845

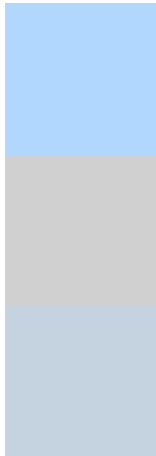
Deuteranomaly

64.6912, 0.2750, 0.2785

Tritanomaly

65.0954, 0.2683, 0.2989

Monochromacy



Original Color

65.1037, 0.2639, 0.2848

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.8951, 0.2934, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1037, 0.2639, 0.2848 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(177, 215, 254)` looks like.

```
.text, #text, p{  
    color:rgb(177, 215, 254)  
}
```

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(177, 215, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 215, 254) }
```

Border

The CSS property to change the border of an element to Yxy 65.1037, 0.2639, 0.2848 is called "border". The border property can be set on classes, ids or directly on the HTML element.

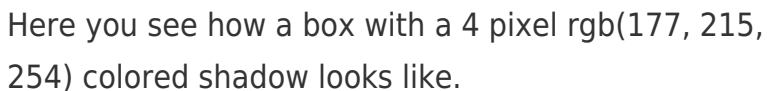
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 215, 254) }
```

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

```
.border{ border-color:rgb(177, 215, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 215, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 215, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 215, 254); box-shadow:4px 4px 4px 4px rgb(177, 215, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1037, 0.2639, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 215, 254) }
```

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

```
.background{ background-color: rgb(177,  
215, 254) }
```

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