

Converting Colors

Yxy(65.5458, 0.2633, 0.2847)

Have a look what the booklet for
Yxy(65.5458, 0.2633, 0.2847)
contains.

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Color

Yxy(65.6788, 0.2635, 0.2849)

Conversions

Conversions Part 1

Format	Color
Hex	B1D8FF
RGB	177, 216, 255
RGB Percent	69%, 85%, 100%
CMY	0.3058, 0.1530, 0.0000
CMYK	0.31, 0.15, 0.00, 0.00
HSL	210°, 100%, 85%
HSV	210°, 31%, 100%
XYZ	60.7454, 65.6788, 104.1086
YIQ	208.7850, -35.7630, 3.8610

Conversions

Conversions Part 2

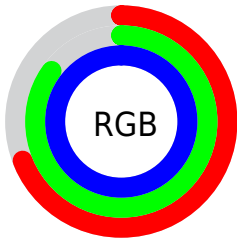
Format	Color
R _Y B	177, 203, 255
Decimal	11655423
CIE Lab	84.83, -3.94, -23.18
CIE LCh	85, 23.516, 260.367
Yxy	65.6788, 0.2635, 0.2849
Android (android.graphics.Color)	4289845503 (0xFFB1D8FF)
YUV	208.7850, 22.7840, -27.8754
Hunter-Lab	81.0425, -8.0296, -19.4353

Details

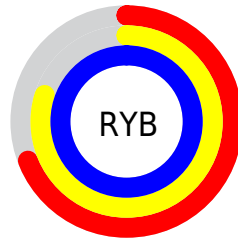
The Yxy color **65.6788, 0.2635, 0.2849** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.5647, 0.3701, 0.3692**, and the grayscale version is **63.4824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **33.7045, 0.2518, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **56.6744, 0.2471, 0.2676**, and if you desaturate by 10%, it is **75.7513, 0.2800, 0.3009**.

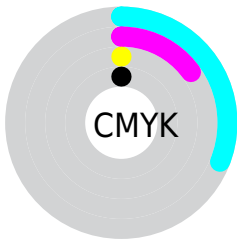
Distribution



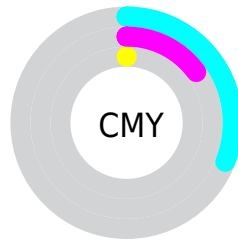
- Red (69%)
- Green (85%)
- Blue (100%)



- Red (69%)
- Yellow (80%)
- Blue (100%)



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6788, 0.2635, 0.2849 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 65.6788, 0.2635, 0.2849 by changing the saturation by 10% instead.

■ 65.6788, 0.2635,
0.2849

■ 65.6788, 0.2635,
0.2849

445.2273, 0.2863,
0.3056

■ 48.0117, 0.2583,
0.2801

■ 113.0252, 0.2714,
0.2921

■ 33.8362, 0.2519,
0.2743

143.4733, 0.2745,
0.2949

■ 22.7678, 0.2439,
0.2668

178.9505, 0.2771,
0.2973

■ 14.4221, 0.2335,
0.2570

219.8413, 0.2794,
0.2994

■ 8.4148, 0.2195,
0.2438

266.5299, 0.2815,
0.3012

■ 4.3615, 0.1998,
0.2249

319.4009, 0.2833,

■ 1.8778, 0.1705,

0.3028

0.1963

378.8385, 0.2849,
0.3043

0.5350, 0.1098,
0.1424

0.0000, 0.0000,
0.0000

65.6788, 0.2635,
0.2849

65.6788, 0.2635,
0.2849

56.6744, 0.2471,
0.2676

75.7513, 0.2800,
0.3009

48.6937, 0.2311,
0.2491

86.9301, 0.2962,
0.3153

41.6910, 0.2161,
0.2297

99.2533, 0.3118,
0.3283

35.6159, 0.2027,
0.2099

100.0000, 0.3127,
0.3290

■ 30.4116, 0.1914,
0.1902

■ 26.0120, 0.1825,
0.1712

■ 22.5114, 0.1762,
0.1544

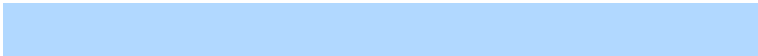
Harmonies

Analogous

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



65.6788, 0.2576, 0.3011



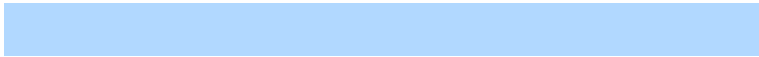
65.6788, 0.2635, 0.2849



65.6788, 0.2821, 0.2807

Triad

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



65.6788, 0.2635, 0.2849



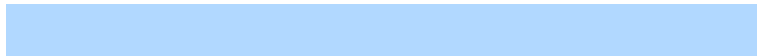
65.6788, 0.3621, 0.3284



65.6788, 0.3136, 0.3749

Complementary

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



65.6788, 0.2635, 0.2849



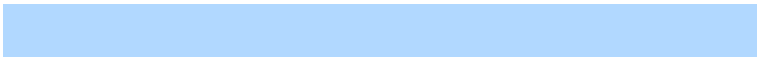
73.5647, 0.3701, 0.3692

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.



65.6788, 0.3423, 0.3813



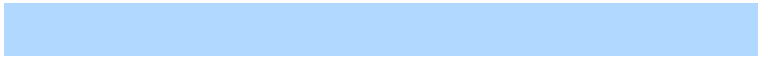
65.6788, 0.2635, 0.2849



65.6788, 0.3712, 0.3527

Square

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



65.6788, 0.2635, 0.2849



65.6788, 0.3392, 0.3053



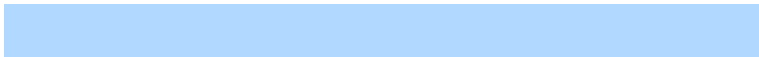
65.6788, 0.3637, 0.3724



65.6788, 0.2856, 0.3542

Rectangle

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



65.6788, 0.2635, 0.2849



65.6788, 0.2998, 0.2845



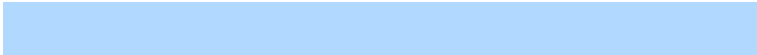
65.6788, 0.3637, 0.3724



65.6788, 0.3235, 0.3788

Sweetspot

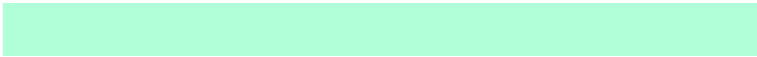
The Sweet Spot groups the original color and five complimentary colors.



65.6794, 0.2635, 0.2849



88.7965, 0.2987, 0.3175



85.8291, 0.2880, 0.3729



18.6373, 0.2964, 0.3155



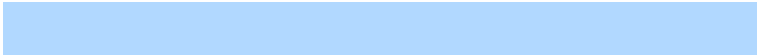
0.0000, 0.0000, 0.0000



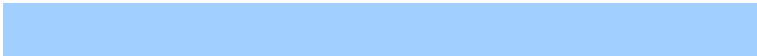
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6794, 0.2635, 0.2849



59.7755, 0.2529, 0.2740



48.0261, 0.2582, 0.2388



18.8776, 0.2979, 0.3168



12.0613, 0.1770, 0.1573



1.3928, 0.1828, 0.1779

Inverse Universe

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



57.6732, 0.3477, 0.2891



51.1719, 0.3578, 0.2805



95.9555, 0.3591, 0.4056



18.1385, 0.3215, 0.3172



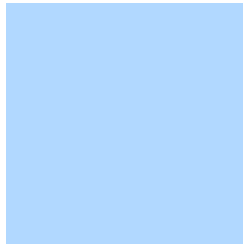
11.9456, 0.4965, 0.2509



1.1851, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 65.6788, 0.2635, 0.2849 looks on a white background.

Color Contrast Check

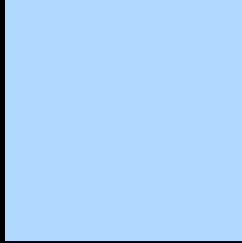
Large Text (above 18pt) WCAG AA × Fail

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 65.6788, 0.2635, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

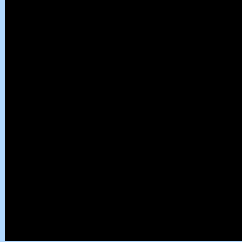
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

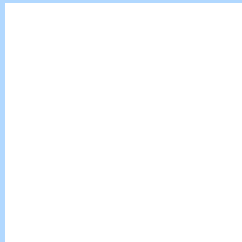
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6788, 0.2635, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 65.6788, 0.2635, 0.2849.



This preview shows how white text looks on a background with the Yxy color 65.6788, 0.2635, 0.2849.

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

65.6788, 0.2635, 0.2849

Protanopia

65.2625, 0.2812, 0.2831

Deuteranopia

65.4010, 0.2827, 0.2774



Tritanopia

65.6617, 0.2713, 0.3079

Trichromacy



Original Color

65.6788, 0.2635, 0.2849

Protanomaly

65.5846, 0.2751, 0.2847

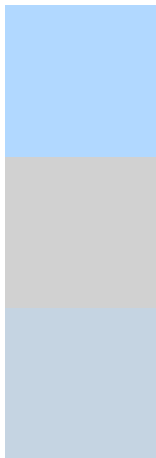
Deuteranomaly

65.1835, 0.2751, 0.2796

Tritanomaly

65.6731, 0.2679, 0.2989

Monochromacy



Original Color

65.6788, 0.2635, 0.2849

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.4483, 0.2928, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6788, 0.2635, 0.2849 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 216, 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(177, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.6788, 0.2635, 0.2849 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, 216, 255) }
```

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

```
.border{ border-color:rgb(177, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6788, 0.2635, 0.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 216, 255) }
```

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

```
.background{ background-color: rgb(177,  
216, 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](#).

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