

Converting Colors

$Yxy(71.9735, 0.2362, 0.2339)$

Have a look what the booklet for
Yxy(71.9735, 0.2362, 0.2339)
contains.

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Color

Yxy(67.6365, 0.2635, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	B0DCFF
RGB	176, 220, 255
RGB Percent	69%, 86%, 100%
CMY	0.3095, 0.1373, 0.0000
CMYK	0.31, 0.14, 0.00, 0.00
HSL	207°, 100%, 85%
HSV	207°, 31%, 100%
XYZ	61.5621, 67.6365, 104.4336
YIQ	210.8340, -37.4590, 1.5570

Conversions

Conversions Part 2

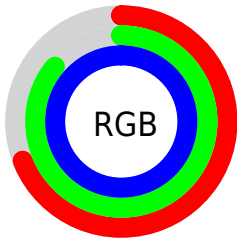
Format	Color
R _Y B	176, 204, 255
Decimal	11590911
CIE Lab	85.82, -6.29, -21.68
CIE LCh	86, 22.572, 253.821
Yxy	67.6365, 0.2635, 0.2895
Android (android.graphics.Color)	4289780991 (0xFFB0DCFF)
YUV	210.8340, 21.7738, -30.5494
Hunter-Lab	82.2414, -10.3057, -17.7199

Details

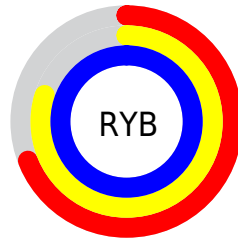
The Yxy color **67.6365, 0.2635, 0.2895** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.0305, 0.3724, 0.3653**, and the grayscale version is **64.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.0524, 0.2520, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **59.1995, 0.2476, 0.2742**, and if you desaturate by 10%, it is **77.0366, 0.2796, 0.3036**.

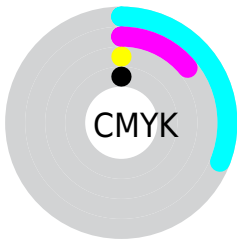
Distribution



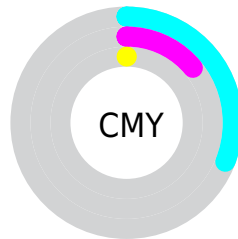
- Red (69%)
- Green (86%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6365, 0.2635, 0.2895 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 67.6365, 0.2635, 0.2895 by changing the saturation by 10% instead.

67.6365, 0.2635,
0.2895

67.6365, 0.2635,
0.2895

452.2070, 0.2862,
0.3081

49.6021, 0.2584,
0.2852

115.8320, 0.2713,
0.2960

35.0973, 0.2521,
0.2799

146.7618, 0.2744,
0.2985

23.7378, 0.2442,
0.2732

182.7589, 0.2770,
0.3006

15.1393, 0.2339,
0.2644

224.2077, 0.2793,
0.3025

8.9172, 0.2202,
0.2524

271.4924, 0.2813,
0.3041

4.6872, 0.2010,
0.2353

324.9977, 0.2831,

2.0649, 0.1727,

0.3056

0.2091

385.1077, 0.2847,
0.3069

0.6448, 0.1165,
0.1635

0.0000, 0.0000,
0.0000

67.6365, 0.2635,
0.2895

67.6365, 0.2635,
0.2895

59.1995, 0.2476,
0.2742

77.0366, 0.2796,
0.3036

51.6820, 0.2324,
0.2579

87.4320, 0.2956,
0.3164

45.0431, 0.2183,
0.2408

98.8586, 0.3113,
0.3280

39.2357, 0.2058,
0.2233

100.0000, 0.3127,
0.3290

■ 34.2070, 0.1954,
0.2058

■ 29.8950, 0.1872,
0.1888

■ 26.5280, 0.1817,
0.1740

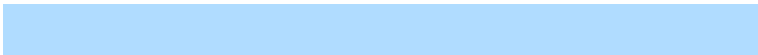
Harmonies

Analogous

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



67.6365, 0.2607, 0.3072



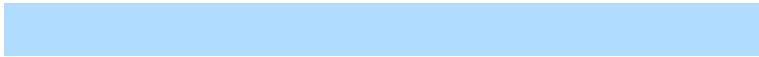
67.6365, 0.2635, 0.2895



67.6365, 0.2789, 0.2828

Triad

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



67.6365, 0.2635, 0.2895



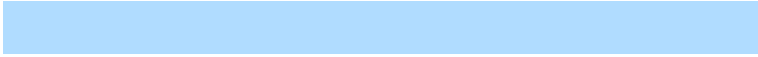
67.6365, 0.3558, 0.3235



67.6365, 0.3198, 0.3752

Complementary

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



67.6365, 0.2635, 0.2895



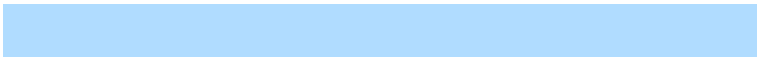
71.0305, 0.3724, 0.3653

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.



67.6365, 0.3462, 0.3780



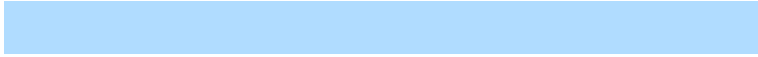
67.6365, 0.2635, 0.2895



67.6365, 0.3677, 0.3468

Square

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



67.6365, 0.2635, 0.2895



67.6365, 0.3320, 0.3023



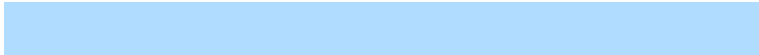
67.6365, 0.3640, 0.3670



67.6365, 0.2924, 0.3581

Rectangle

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



67.6365, 0.2635, 0.2895



67.6365, 0.2946, 0.2848



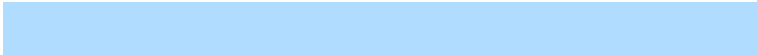
67.6365, 0.3640, 0.3670



67.6365, 0.3291, 0.3778

Sweetspot

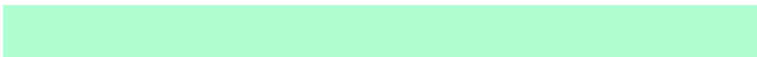
The Sweet Spot groups the original color and five complimentary colors.



67.6379, 0.2635, 0.2895



89.5792, 0.2987, 0.3188



85.4258, 0.2905, 0.3797



18.8301, 0.2964, 0.3170



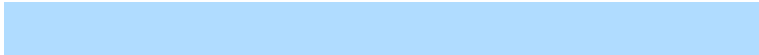
0.0000, 0.0000, 0.0000



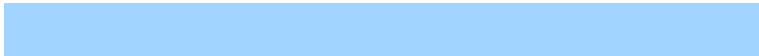
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6379, 0.2635, 0.2895



62.4211, 0.2538, 0.2804



49.6438, 0.2581, 0.2438



19.0540, 0.2979, 0.3182



14.1642, 0.1824, 0.1766



1.5971, 0.1876, 0.1955

Inverse Universe

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



57.5067, 0.3445, 0.2842



51.4389, 0.3529, 0.2752



92.6063, 0.3611, 0.4019



18.1563, 0.3207, 0.3159



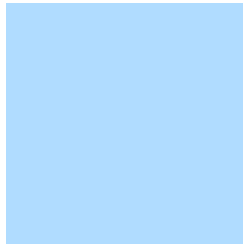
12.1578, 0.4726, 0.2377



1.2058, 0.4505, 0.2255

Previews

White Background



This preview shows how the Yxy color 67.6365, 0.2635, 0.2895 looks on a white background.

Color Contrast Check

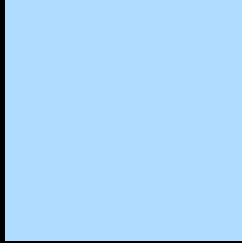
Large Text (above 18pt) WCAG AA × Fail

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 67.6365, 0.2635, 0.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

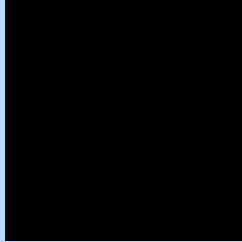
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

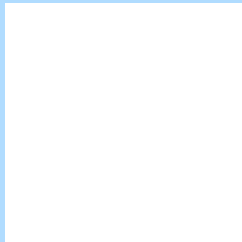
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6365, 0.2635, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 67.6365, 0.2635, 0.2895.



This preview shows how white text looks on a background with the Yxy color 67.6365, 0.2635, 0.2895.

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

67.6365, 0.2635, 0.2895

Protanopia

67.2545, 0.2847, 0.2878

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

67.4181, 0.2700, 0.3081

Trichromacy



Original Color

67.6365, 0.2635, 0.2895

Protanomaly

67.3649, 0.2766, 0.2883

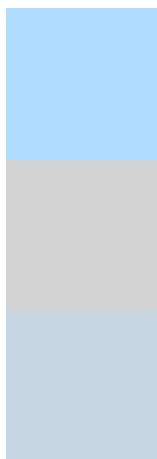
Deuteranomaly

67.5925, 0.2773, 0.2844

Tritanomaly

67.3041, 0.2677, 0.3014

Monochromacy



Original Color

67.6365, 0.2635, 0.2895

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.6450, 0.2929, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6365, 0.2635, 0.2895 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(176, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 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(176, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.6365, 0.2635, 0.2895 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(176, 220, 255) }
```

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

```
.border{ border-color:rgb(176, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6365, 0.2635, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 220, 255) }
```

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

```
.background{ background-color: rgb(176,  
220, 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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