

Converting Colors

$Yxy(66.0727, 0.2644, 0.2855)$

Have a look what the booklet for
Yxy(66.0727, 0.2644, 0.2855)
contains.

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Color

Yxy(65.7967, 0.2641, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	B2D8FF
RGB	178, 216, 255
RGB Percent	70%, 85%, 100%
CMY	0.3018, 0.1530, 0.0000
CMYK	0.30, 0.15, 0.00, 0.00
HSL	210°, 100%, 85%
HSV	210°, 30%, 100%
XYZ	60.9716, 65.7967, 104.0973
YIQ	209.0840, -35.1670, 4.0730

Conversions

Conversions Part 2

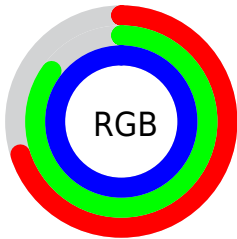
Format	Color
R _Y B	178, 203, 255
Decimal	11720959
CIE Lab	84.89, -3.66, -23.07
CIE LCh	85, 23.362, 260.984
Yxy	65.7967, 0.2641, 0.2850
Android (android.graphics.Color)	4289911039 (0xFFB2D8FF)
YUV	209.0840, 22.6366, -27.2607
Hunter-Lab	81.1152, -7.7789, -19.3079

Details

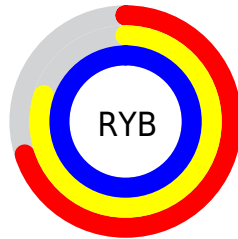
The Yxy color **65.7967, 0.2641, 0.2850** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.1207, 0.3691, 0.3692**, and the grayscale version is **63.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **33.7779, 0.2525, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **56.6940, 0.2476, 0.2675**, and if you desaturate by 10%, it is **75.9854, 0.2806, 0.3011**.

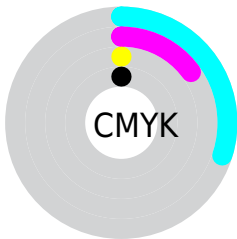
Distribution



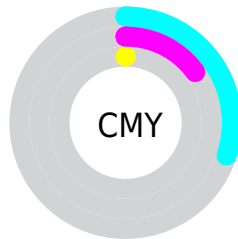
- Red (70%)
- Green (85%)
- Blue (100%)



- Red (70%)
- Yellow (80%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7967, 0.2641, 0.2850 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 65.7967, 0.2641, 0.2850 by changing the saturation by 10% instead.


 65.7967, 0.2641,
0.2850

 65.7967, 0.2641,
0.2850

445.6495, 0.2866,
0.3056

 48.1074, 0.2590,
0.2803


 113.1945, 0.2719,
0.2922

 33.9119, 0.2527,
0.2744


143.6718, 0.2749,
0.2950

 22.8260, 0.2447,
0.2670


179.1805, 0.2776,
0.2974

 14.4650, 0.2344,
0.2572

220.1050, 0.2798,
0.2994

 8.4448, 0.2206,
0.2441

266.8298, 0.2818,
0.3013

 4.3809, 0.2011,
0.2253

319.7392, 0.2836,

 1.8888, 0.1721,

0.3029

0.1969

379.2176, 0.2852,
0.3043

0.5416, 0.1127,
0.1434

0.0000, 0.0000,
0.0000

65.7967, 0.2641,
0.2850

65.7967, 0.2641,
0.2850

56.6940, 0.2476,
0.2675

75.9854, 0.2806,
0.3011

48.6273, 0.2315,
0.2487

87.2935, 0.2968,
0.3157

41.5526, 0.2164,
0.2291

99.7611, 0.3124,
0.3288

35.4188, 0.2028,
0.2091

100.0000, 0.3127,
0.3290

■ 30.1690, 0.1913,
0.1891

■ 25.7370, 0.1823,
0.1699

■ 22.0845, 0.1756,
0.1522

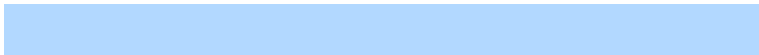
Harmonies

Analogous

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



65.7967, 0.2579, 0.3009



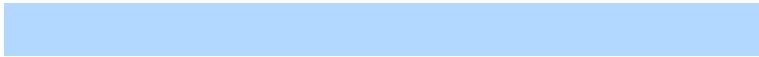
65.7967, 0.2641, 0.2850



65.7967, 0.2828, 0.2810

Triad

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



65.7967, 0.2641, 0.2850



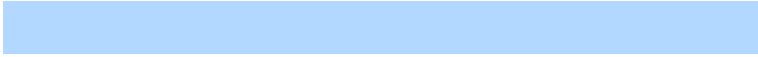
65.7967, 0.3621, 0.3290



65.7967, 0.3130, 0.3743

Complementary

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



65.7967, 0.2641, 0.2850



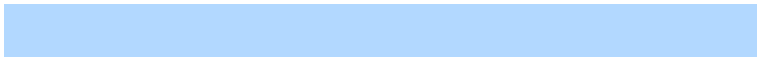
74.1207, 0.3691, 0.3692

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.



65.7967, 0.3416, 0.3809



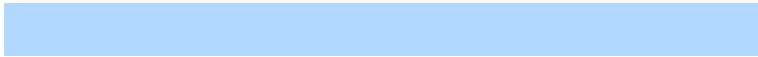
65.7967, 0.2641, 0.2850



65.7967, 0.3708, 0.3530

Square

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



65.7967, 0.2641, 0.2850



65.7967, 0.3395, 0.3059



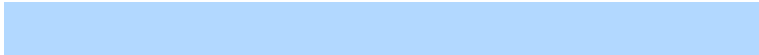
65.7967, 0.3630, 0.3724



65.7967, 0.2853, 0.3535

Rectangle

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



65.7967, 0.2641, 0.2850



65.7967, 0.3005, 0.2850



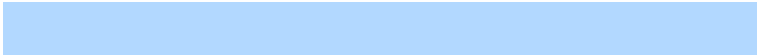
65.7967, 0.3630, 0.3724



65.7967, 0.3229, 0.3783

Sweetspot

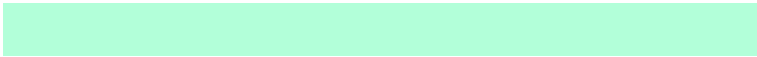
The Sweet Spot groups the original color and five complimentary colors.



65.7990, 0.2641, 0.2850



88.7069, 0.2987, 0.3173



85.9736, 0.2883, 0.3722



18.6153, 0.2964, 0.3153



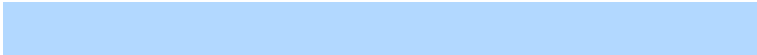
0.0000, 0.0000, 0.0000



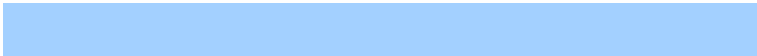
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7990, 0.2641, 0.2850



60.3735, 0.2545, 0.2750



48.5433, 0.2590, 0.2402



18.8575, 0.2979, 0.3166



11.8372, 0.1764, 0.1551



1.3707, 0.1822, 0.1759

Inverse Universe

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



58.0720, 0.3476, 0.2902



52.1032, 0.3567, 0.2824



95.9957, 0.3585, 0.4047



18.1365, 0.3216, 0.3173



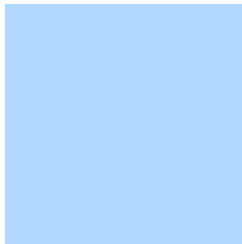
11.9229, 0.4993, 0.2524



1.1829, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 65.7967, 0.2641, 0.2850 looks on a white background.

Color Contrast Check

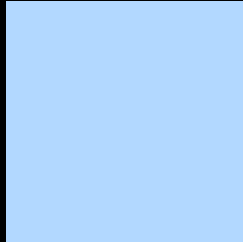
Large Text (above 18pt) WCAG AA × Fail

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 65.7967, 0.2641, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

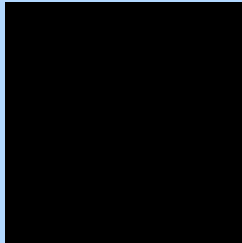
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

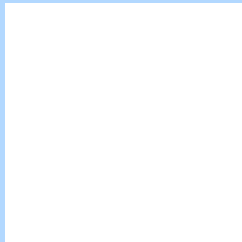
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7967, 0.2641, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 65.7967, 0.2641, 0.2850.



This preview shows how white text looks on a background with the Yxy color 65.7967, 0.2641, 0.2850.

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

65.7967, 0.2641, 0.2850

Protanopia

65.7547, 0.2813, 0.2842

Deuteranopia

65.4010, 0.2827, 0.2774



Tritanopia

65.7761, 0.2719, 0.3079

Trichromacy



Original Color

65.7967, 0.2641, 0.2850

Protanomaly

65.5846, 0.2751, 0.2847

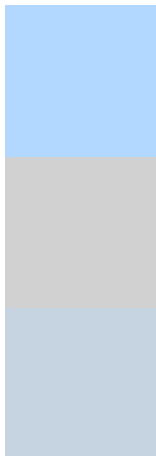
Deuteranomaly

65.3190, 0.2757, 0.2797

Tritanomaly

65.7884, 0.2685, 0.2990

Monochromacy



Original Color

65.7967, 0.2641, 0.2850

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.5837, 0.2935, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7967, 0.2641, 0.2850 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(178, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.7967, 0.2641, 0.2850 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(178, 216, 255) }
```

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

```
.border{ border-color:rgb(178, 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(178, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7967, 0.2641, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 216, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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