

Converting Colors

$Y_{xy}(65.0675, 0.2653, 0.2829)$

Have a look what the booklet for
Yxy(65.0675, 0.2653, 0.2829)
contains.

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Color

Yxy(65.0164, 0.2650, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	B4D6FF
RGB	180, 214, 255
RGB Percent	71%, 84%, 100%
CMY	0.2940, 0.1608, 0.0000
CMYK	0.29, 0.16, 0.00, 0.00
HSL	213°, 100%, 85%
HSV	213°, 29%, 100%
XYZ	60.9241, 65.0164, 103.9619
YIQ	208.5080, -33.4250, 5.5430

Conversions

Conversions Part 2

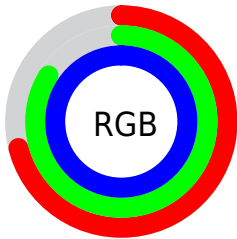
Format	Color
R_{YB}	180, 203, 255
Decimal	11851519
CIE _{Lab}	84.49, -2.05, -23.68
CIE _{LCh}	84, 23.766, 265.059
Yxy	65.0164, 0.2650, 0.2828
Android (android.graphics.Color)	4290041599 (0xFFB4D6FF)
YUV	208.5080, 22.9206, -25.0015
Hunter-Lab	80.6327, -6.2371, -20.0012

Details

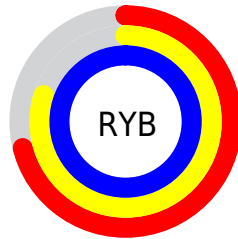
The Yxy color **65.0164, 0.2650, 0.2828** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.2805, 0.3665, 0.3711**, and the grayscale version is **63.2904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **33.2335, 0.2535, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **55.4744, 0.2481, 0.2639**, and if you desaturate by 10%, it is **75.7282, 0.2818, 0.3001**.

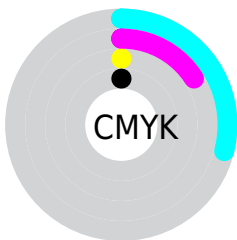
Distribution



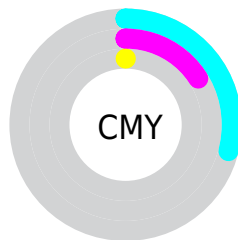
- Red (71%)
- Green (84%)
- Blue (100%)



- Red (71%)
- Yellow (80%)
- Blue (100%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0164, 0.2650, 0.2828 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 65.0164, 0.2650, 0.2828 by changing the saturation by 10% instead.

65.0164, 0.2650,
0.2828

65.0164, 0.2650,
0.2828

442.8509, 0.2872,
0.3044

47.4744, 0.2599,
0.2778

112.0734, 0.2727,
0.2903

33.4108, 0.2537,
0.2717

142.3572, 0.2757,
0.2932

22.4413, 0.2458,
0.2639

177.6571, 0.2783,
0.2958

14.1816, 0.2356,
0.2538

218.3574, 0.2805,
0.2979

8.2470, 0.2218,
0.2401

264.8425, 0.2825,
0.2999

4.2534, 0.2024,
0.2206

317.4969, 0.2842,

1.8163, 0.1734,

0.3015

0.1912

376.7049, 0.2858,
0.3031

0.4973, 0.1137,
0.1338

0.0000, 0.0000,
0.0000

65.0164, 0.2650,
0.2828

65.0164, 0.2650,
0.2828

55.4744, 0.2481,
0.2639

75.7282, 0.2818,
0.3001

47.0525, 0.2315,
0.2437

87.6490, 0.2981,
0.3158

39.7022, 0.2157,
0.2225

100.0000, 0.3127,
0.3290

33.3695, 0.2014,
0.2009

■ 27.9941, 0.1892,
0.1795

■ 23.5069, 0.1795,
0.1591

■ 19.8100, 0.1724,
0.1402

■ 19.6087, 0.1720,
0.1391

Harmonies

Analogous

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



65.0164, 0.2568, 0.2974



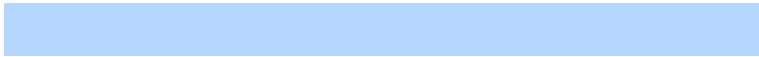
65.0164, 0.2650, 0.2828



65.0164, 0.2856, 0.2805

Triad

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



65.0164, 0.2650, 0.2828



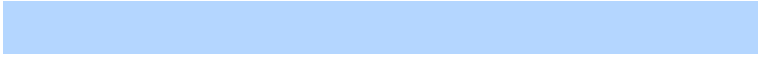
65.0164, 0.3653, 0.3323



65.0164, 0.3089, 0.3732

Complementary

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



65.0164, 0.2650, 0.2828



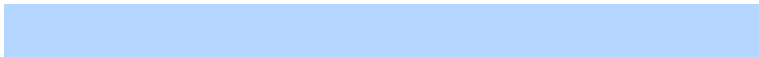
76.2805, 0.3665, 0.3711

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.



65.0164, 0.3385, 0.3821



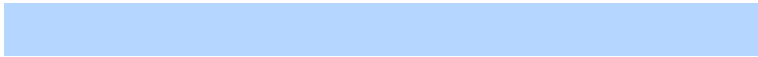
65.0164, 0.2650, 0.2828



65.0164, 0.3719, 0.3566

Square

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



65.0164, 0.2650, 0.2828



65.0164, 0.3438, 0.3084



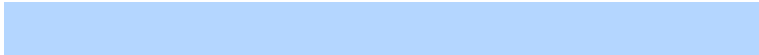
65.0164, 0.3618, 0.3753



65.0164, 0.2814, 0.3504

Rectangle

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



65.0164, 0.2650, 0.2828



65.0164, 0.3042, 0.2855



65.0164, 0.3618, 0.3753



65.0164, 0.3190, 0.3779

Sweetspot

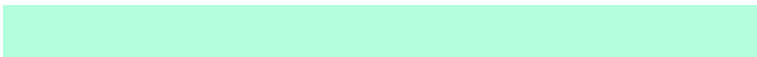
The Sweet Spot groups the original color and five complimentary colors.



65.0177, 0.2650, 0.2828



88.1567, 0.2987, 0.3164



86.3934, 0.2876, 0.3680



18.4799, 0.2964, 0.3142



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.



65.0177, 0.2650, 0.2828



59.5364, 0.2555, 0.2724



49.8788, 0.2623, 0.2432



18.7335, 0.2979, 0.3157



10.5352, 0.1728, 0.1421



1.2406, 0.1788, 0.1637

Inverse Universe

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



58.7654, 0.3489, 0.2942



52.9073, 0.3584, 0.2873



95.6051, 0.3556, 0.4032



18.1240, 0.3223, 0.3183



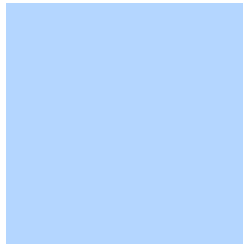
11.7915, 0.5163, 0.2618



1.1698, 0.4884, 0.2464

Previews

White Background



This preview shows how the Yxy color 65.0164, 0.2650, 0.2828 looks on a white background.

Color Contrast Check

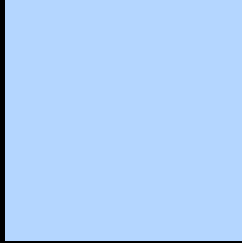
Large Text (above 18pt) WCAG AA × Fail

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 65.0164, 0.2650, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

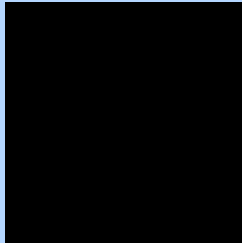
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

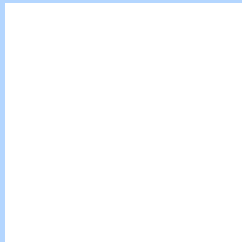
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.0164, 0.2650, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 65.0164, 0.2650, 0.2828.



This preview shows how white text looks on a background with the Yxy color 65.0164, 0.2650, 0.2828.

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

65.0164, 0.2650, 0.2828

Protanopia

64.9835, 0.2799, 0.2829

Deuteranopia

64.7725, 0.2820, 0.2762



Tritanopia

64.8540, 0.2740, 0.3079

Trichromacy



Original Color

65.0164, 0.2650, 0.2828

Protanomaly

64.9543, 0.2743, 0.2835

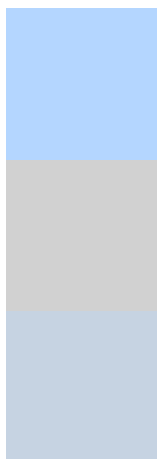
Deuteranomaly

64.8267, 0.2756, 0.2786

Tritanomaly

64.8696, 0.2706, 0.2989

Monochromacy



Original Color

65.0164, 0.2650, 0.2828

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.0853, 0.2934, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0164, 0.2650, 0.2828 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(180, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 214, 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(180, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.0164, 0.2650, 0.2828 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(180, 214, 255) }
```

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

```
.border{ border-color:rgb(180, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0164, 0.2650, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 214, 255) }
```

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

```
.background{ background-color: rgb(180,  
214, 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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