

Converting Colors

$Yxy(64.3285, 0.2527, 0.2856)$

Have a look what the booklet for
Yxy(64.3285, 0.2527, 0.2856)
contains.

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Color

Yxy(64.5309, 0.2528, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	9DDAFF
RGB	157, 218, 255
RGB Percent	62%, 85%, 100%
CMY	0.3839, 0.1452, 0.0000
CMYK	0.38, 0.15, 0.00, 0.00
HSL	203°, 100%, 81%
HSV	203°, 38%, 100%
XYZ	57.0399, 64.5309, 104.0617
YIQ	203.9790, -48.2330, -1.4250

Conversions

Conversions Part 2

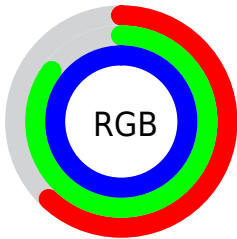
Format	Color
RYB	157, 195, 255
Decimal	10345215
CIELab	84.24, -10.33, -24.17
CIELCh	84, 26.288, 246.862
Yxy	64.5309, 0.2528, 0.2860
Android (android.graphics.Color)	4288535295 (0xFF9DDAFF)
YUV	203.9790, 25.1534, -41.2006
Hunter-Lab	80.3311, -13.8338, -20.5730

Details

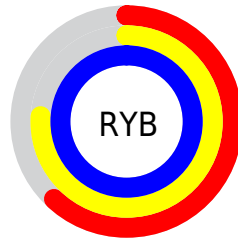
The Yxy color **64.5309, 0.2528, 0.2860** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.3300, 0.3934, 0.3679**, and the grayscale version is **60.2432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **33.0383, 0.2388, 0.2753** is the 20% darker color. If you saturate the color by 10%, you get **57.3730, 0.2381, 0.2725**, and if you desaturate by 10%, it is **72.5191, 0.2682, 0.2987**.

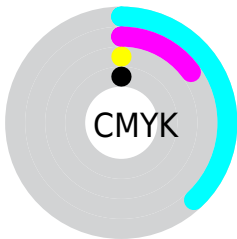
Distribution



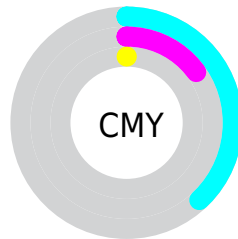
- Red (62%)
- Green (85%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5309, 0.2528, 0.2860 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 64.5309, 0.2528, 0.2860 by changing the saturation by 10% instead.

64.5309, 0.2528,
0.2860

64.5309, 0.2528,
0.2860

441.1043, 0.2804,
0.3065

47.0808, 0.2466,
0.2812

111.3752, 0.2623,
0.2932

33.0995, 0.2389,
0.2753

141.5381, 0.2661,
0.2960

22.2027, 0.2292,
0.2677

176.7075, 0.2693,
0.2984

14.0059, 0.2168,
0.2577

217.2677, 0.2721,
0.3004

8.1248, 0.2002,
0.2439

263.6030, 0.2746,
0.3022

4.1749, 0.1773,
0.2242

316.0980, 0.2767,

1.7719, 0.1439,

0.3038

0.1940

375.1370, 0.2787,
0.3052

0.4696, 0.0560,
0.1353

0.0000, 0.0000,
0.0000

64.5309, 0.2528,
0.2860

64.5309, 0.2528,
0.2860

57.3730, 0.2381,
0.2725

72.5191, 0.2682,
0.2987

51.0008, 0.2246,
0.2583

81.3667, 0.2839,
0.3103

45.3740, 0.2127,
0.2436

91.1090, 0.2997,
0.3209

40.4448, 0.2027,
0.2288

100.0000, 0.3127,
0.3290

■ 36.1578, 0.1948,
0.2141

■ 32.4371, 0.1890,
0.1998

■ 31.8765, 0.1882,
0.1975

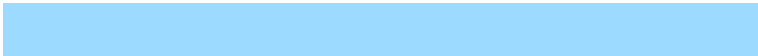
Harmonies

Analogous

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



64.5309, 0.2531, 0.3093



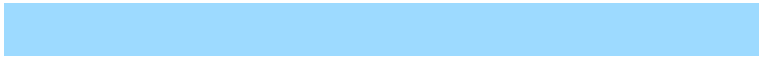
64.5309, 0.2528, 0.2860



64.5309, 0.2675, 0.2754

Triad

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



64.5309, 0.2528, 0.2860



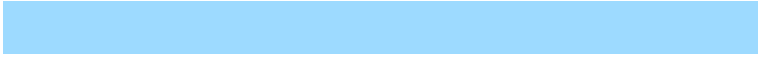
64.5309, 0.3582, 0.3161



64.5309, 0.3285, 0.3864

Complementary

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



64.5309, 0.2528, 0.2860



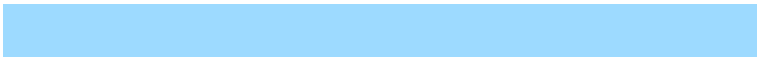
62.3300, 0.3934, 0.3679

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.



64.5309, 0.3582, 0.3852



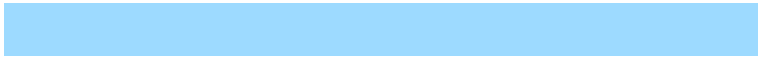
64.5309, 0.2528, 0.2860



64.5309, 0.3763, 0.3433

Square

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



64.5309, 0.2528, 0.2860



64.5309, 0.3277, 0.2928



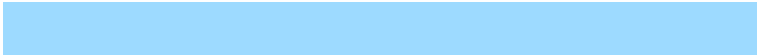
64.5309, 0.3760, 0.3686



64.5309, 0.2957, 0.3697

Rectangle

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



64.5309, 0.2528, 0.2860



64.5309, 0.2843, 0.2758



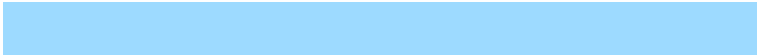
64.5309, 0.3760, 0.3686



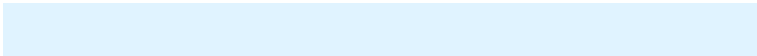
64.5309, 0.3392, 0.3880

Sweetspot

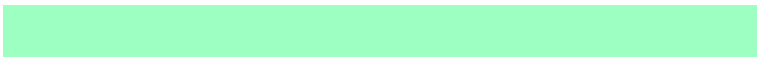
The Sweet Spot groups the original color and five complimentary colors.



64.5330, 0.2528, 0.2860



87.4908, 0.2940, 0.3172



82.5477, 0.2892, 0.4025



18.4524, 0.2920, 0.3158



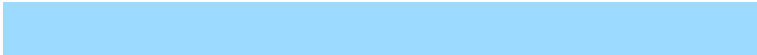
0.0000, 0.0000, 0.0000



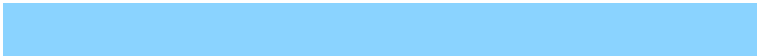
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5330, 0.2528, 0.2860



59.0139, 0.2416, 0.2758



43.2031, 0.2440, 0.2273



19.2599, 0.2979, 0.3198



16.9531, 0.1889, 0.1998



1.8613, 0.1934, 0.2161

Inverse Universe

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



50.4674, 0.3490, 0.2670



44.0367, 0.3591, 0.2550



87.1697, 0.3750, 0.4134



18.1771, 0.3196, 0.3143



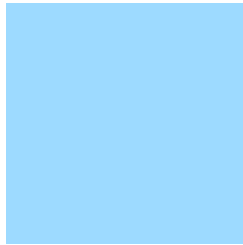
12.4394, 0.4455, 0.2228



1.2324, 0.4274, 0.2128

Previews

White Background



This preview shows how the Yxy color 64.5309, 0.2528, 0.2860 looks on a white background.

Color Contrast Check

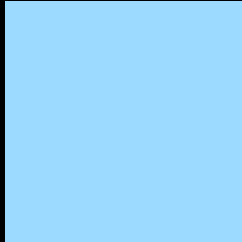
Large Text (above 18pt) WCAG AA × Fail

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 64.5309, 0.2528, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

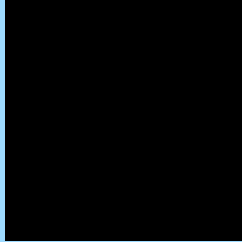
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5309, 0.2528, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 64.5309, 0.2528, 0.2860.

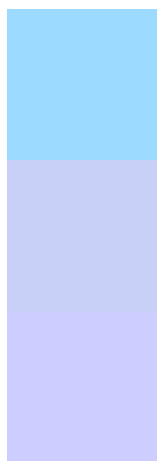


This preview shows how white text looks on a background with the Yxy color 64.5309, 0.2528, 0.2860.

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

64.5309, 0.2528, 0.2860

Protanopia

64.3066, 0.2817, 0.2848

Deuteranopia

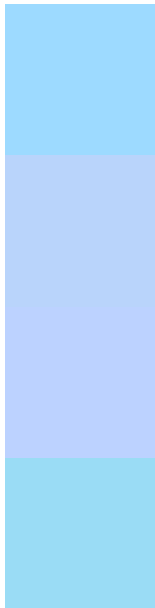
64.0045, 0.2806, 0.2749



Tritanopia

64.7172, 0.2592, 0.3073

Trichromacy



Original Color

64.5309, 0.2528, 0.2860

Protanomaly

64.3663, 0.2700, 0.2850

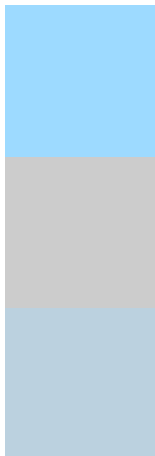
Deuteranomaly

64.0046, 0.2694, 0.2788

Tritanomaly

64.6490, 0.2565, 0.2993

Monochromacy



Original Color

64.5309, 0.2528, 0.2860

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4934, 0.2877, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5309, 0.2528, 0.2860 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(157, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 218, 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(157, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5309, 0.2528, 0.2860 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(157, 218, 255) }
```

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

```
.border{ border-color:rgb(157, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5309, 0.2528, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 218, 255) }
```

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

```
.background{ background-color: rgb(157,  
218, 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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