

Converting Colors

$Y_{xy}(65.1230, 0.2480, 0.2650)$

Have a look what the booklet for
Yxy(65.1230, 0.2480, 0.2650)
contains.

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Color

Yxy(63.8202, 0.2565, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	A5D7FF
RGB	165, 215, 255
RGB Percent	65%, 84%, 100%
CMY	0.3531, 0.1568, 0.0000
CMYK	0.35, 0.16, 0.00, 0.00
HSL	207°, 100%, 82%
HSV	207°, 35%, 100%
XYZ	57.8646, 63.8202, 103.9080
YIQ	204.6100, -42.6400, 1.8400

Conversions

Conversions Part 2

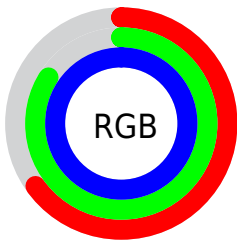
Format	Color
R_{YB}	165, 197, 255
Decimal	10868735
CIE _{Lab}	83.87, -6.72, -24.71
CIE _{LCh}	84, 25.609, 254.798
Yxy	63.8202, 0.2565, 0.2829
Android (android.graphics.Color)	4289058815 (0xFFA5D7FF)
YUV	204.6100, 24.8423, -34.7380
Hunter-Lab	79.8875, -10.5112, -21.1960

Details

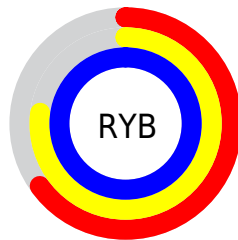
The Yxy color **63.8202, 0.2565, 0.2829** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6108, 0.3829, 0.3707**, and the grayscale version is **60.6435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.5338, 0.2435, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **55.7842, 0.2409, 0.2672**, and if you desaturate by 10%, it is **72.8005, 0.2726, 0.2976**.

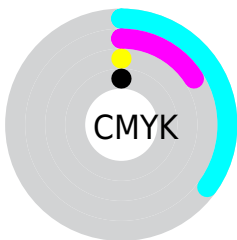
Distribution



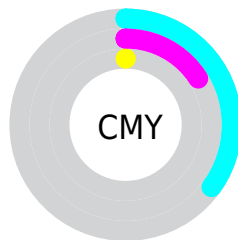
- Red (65%)
- Green (84%)
- Blue (100%)



- Red (65%)
- Yellow (77%)
- Blue (100%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8202, 0.2565, 0.2829 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 63.8202, 0.2565, 0.2829 by changing the saturation by 10% instead.


 63.8202, 0.2565,
0.2829

 63.8202, 0.2565,
0.2829


438.5401, 0.2826,
0.3047

 46.5051, 0.2506,
0.2778


 110.3520, 0.2655,
0.2905

 32.6446, 0.2433,
0.2716


 140.3374, 0.2690,
0.2935

 21.8543, 0.2341,
0.2636


175.3150, 0.2721,
0.2960

 13.7499, 0.2223,
0.2531

215.6692, 0.2747,
0.2982

 7.9469, 0.2064,
0.2388

261.7844, 0.2770,
0.3001

 4.0610, 0.1842,
0.2184

314.0451, 0.2791,

 1.7077, 0.1516,

0.3018

0.1873

372.8355, 0.2809,
0.3034

■ 0.4287, 0.0703,
0.1237

■ 0.0000, 0.0000,
0.0000

■ 63.8202, 0.2565,
0.2829

■ 63.8202, 0.2565,
0.2829

■ 55.7842, 0.2409,
0.2672

■ 72.8005, 0.2726,
0.2976

■ 48.6519, 0.2261,
0.2505

■ 82.7627, 0.2887,
0.3110

■ 42.3791, 0.2126,
0.2331

■ 93.7422, 0.3045,
0.3231

■ 36.9163, 0.2010,
0.2156

100.0000, 0.3127,
0.3290

■ 32.2073, 0.1915,
0.1982

■ 28.1843, 0.1844,
0.1814

■ 26.4924, 0.1816,
0.1738

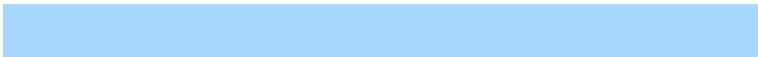
Harmonies

Analogous

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



63.8202, 0.2528, 0.3027



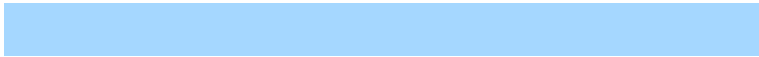
63.8202, 0.2565, 0.2829



63.8202, 0.2744, 0.2760

Triad

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



63.8202, 0.2565, 0.2829



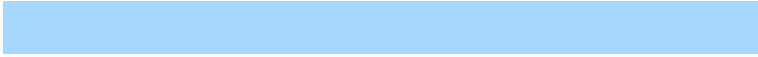
63.8202, 0.3634, 0.3233



63.8202, 0.3196, 0.3824

Complementary

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



63.8202, 0.2565, 0.2829



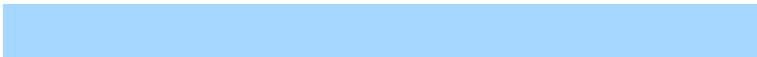
67.6108, 0.3829, 0.3707

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.



63.8202, 0.3503, 0.3859



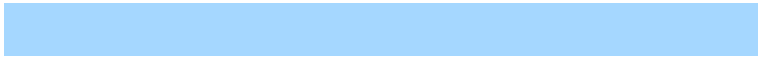
63.8202, 0.2565, 0.2829



63.8202, 0.3766, 0.3500

Square

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



63.8202, 0.2565, 0.2829



63.8202, 0.3359, 0.2990



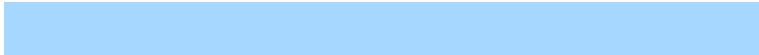
63.8202, 0.3715, 0.3732



63.8202, 0.2882, 0.3620

Rectangle

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



63.8202, 0.2565, 0.2829



63.8202, 0.2927, 0.2786



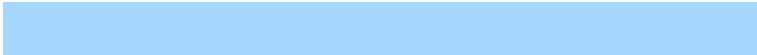
63.8202, 0.3715, 0.3732



63.8202, 0.3304, 0.3856

Sweetspot

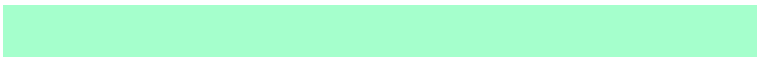
The Sweet Spot groups the original color and five complimentary colors.



63.8202, 0.2565, 0.2829



87.3706, 0.2956, 0.3164



83.8728, 0.2877, 0.3882



18.3864, 0.2934, 0.3147



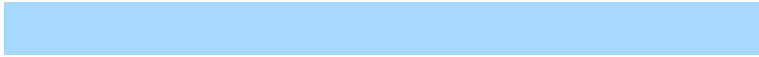
0.0000, 0.0000, 0.0000



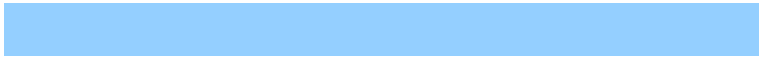
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8202, 0.2565, 0.2829



58.3438, 0.2460, 0.2725



44.3239, 0.2492, 0.2296



19.0525, 0.2979, 0.3182



14.1456, 0.1824, 0.1765



1.5953, 0.1876, 0.1953

Inverse Universe

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



53.0604, 0.3505, 0.2778



46.9348, 0.3605, 0.2680



91.7244, 0.3680, 0.4121



18.1562, 0.3207, 0.3159



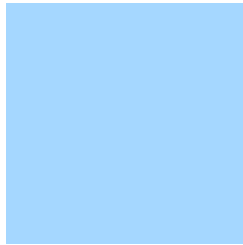
12.1560, 0.4728, 0.2378



1.2056, 0.4506, 0.2256

Previews

White Background



This preview shows how the Yxy color 63.8202, 0.2565, 0.2829 looks on a white background.

Color Contrast Check

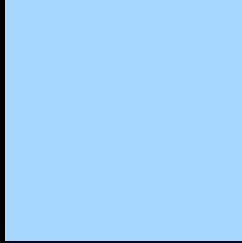
Large Text (above 18pt) WCAG AA × Fail

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 63.8202, 0.2565, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

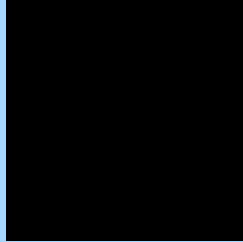
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

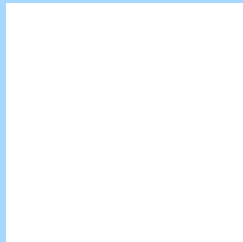
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8202, 0.2565, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 63.8202, 0.2565, 0.2829.



This preview shows how white text looks on a background with the Yxy color 63.8202, 0.2565, 0.2829.

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

63.8202, 0.2565, 0.2829

Protanopia

63.7446, 0.2803, 0.2826

Deuteranopia

63.2431, 0.2792, 0.2735



Tritanopia

63.6725, 0.2641, 0.3074

Trichromacy



Original Color

63.8202, 0.2565, 0.2829

Protanomaly

63.6230, 0.2710, 0.2829

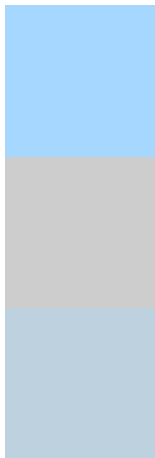
Deuteranomaly

63.2789, 0.2704, 0.2767

Tritanomaly

63.7782, 0.2614, 0.2983

Monochromacy



Original Color

63.8202, 0.2565, 0.2829

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.8758, 0.2897, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8202, 0.2565, 0.2829 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(165, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 215, 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(165, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8202, 0.2565, 0.2829 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(165, 215, 255) }
```

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

```
.border{ border-color:rgb(165, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8202, 0.2565, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 215, 255) }
```

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

```
.background{ background-color: rgb(165,  
215, 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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