

Converting Colors

$Y_{xy}(58.2133, 0.2563, 0.2729)$

Have a look what the booklet for
Yxy(58.2133, 0.2563, 0.2729)
contains.

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Color

Yxy(58.2133, 0.2563, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	A5CCFC
RGB	165, 204, 252
RGB Percent	65%, 80%, 99%
CMY	0.3531, 0.1999, 0.0119
CMYK	0.35, 0.19, 0.00, 0.01
HSL	213°, 93%, 82%
HSV	213°, 35%, 99%
XYZ	54.6723, 58.2133, 100.4281
YIQ	197.8110, -38.6520, 6.6600

Conversions

Conversions Part 2

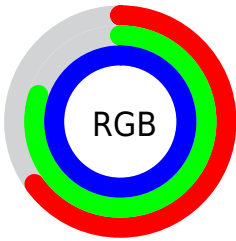
Format	Color
R _Y B	165, 192, 252
Decimal	10865916
CIE Lab	80.86, -1.66, -27.69
CIE LCh	81, 27.738, 266.567
Yxy	58.2133, 0.2563, 0.2729
Android (android.graphics.Color)	4289055996 (0xFFA5CCFC)
YUV	197.8110, 26.7152, -28.7752
Hunter-Lab	76.2976, -5.6138, -24.6331

Details

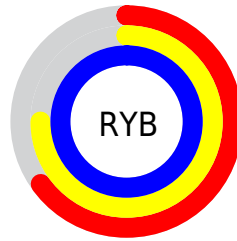
The Yxy color **58.2133, 0.2563, 0.2729** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.9607, 0.3776, 0.3790**, and the grayscale version is **56.2013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **29.0678, 0.2426, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **49.4633, 0.2394, 0.2531**, and if you desaturate by 10%, it is **68.0889, 0.2732, 0.2912**.

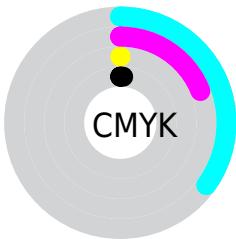
Distribution



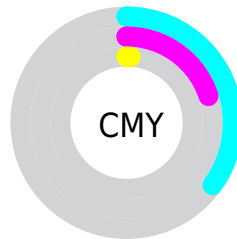
- Red (65%)
- Green (80%)
- Blue (99%)



- Red (65%)
- Yellow (75%)
- Blue (99%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (35%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2133, 0.2563, 0.2729 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 58.2133, 0.2563, 0.2729 by changing the saturation by 10% instead.

■ 58.2133, 0.2563,
0.2729

■ 58.2133, 0.2563,
0.2729

■ 417.9803, 0.2829,
0.2995

■ 41.9802, 0.2502,
0.2667

■ 102.2334, 0.2656,
0.2822

■ 29.0858, 0.2425,
0.2591

■ 130.7892, 0.2692,
0.2858

■ 19.1457, 0.2329,
0.2493

■ 164.2212, 0.2723,
0.2889

■ 11.7756, 0.2203,
0.2365

■ 202.9140, 0.2750,
0.2916

■ 6.5911, 0.2032,
0.2192

■ 247.2519, 0.2773,
0.2939

■ 3.2077, 0.1791,
0.1944

■ 297.6193, 0.2794,

■ 1.2411, 0.1433,

0.2960

0.1574

354.4007, 0.2812,
0.2978

0.0949, 0.0189,
0.0361

0.0000, 0.0000,
0.0000

58.2133, 0.2563,
0.2729

58.2133, 0.2563,
0.2729

49.4633, 0.2394,
0.2531

68.0889, 0.2732,
0.2912

41.7855, 0.2231,
0.2322

79.1270, 0.2898,
0.3078

35.1314, 0.2080,
0.2105

91.3708, 0.3058,
0.3228

29.4453, 0.1946,
0.1888

99.8067, 0.3145,
0.3319

■ 24.6642, 0.1836,
0.1677

■ 20.7139, 0.1753,
0.1479

■ 18.8533, 0.1716,
0.1378

Harmonies

Analogous

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



58.2133, 0.2458, 0.2893



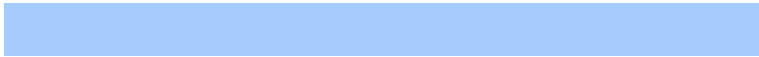
58.2133, 0.2563, 0.2729



58.2133, 0.2814, 0.2712

Triad

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



58.2133, 0.2563, 0.2729



58.2133, 0.3775, 0.3340



58.2133, 0.3060, 0.3821

Complementary

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



58.2133, 0.2563, 0.2729



70.9607, 0.3776, 0.3790

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.



58.2133, 0.3418, 0.3937



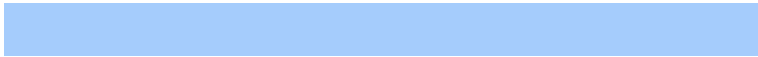
58.2133, 0.2563, 0.2729



58.2133, 0.3843, 0.3630

Square

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



58.2133, 0.2563, 0.2729



58.2133, 0.3520, 0.3054



58.2133, 0.3708, 0.3855



58.2133, 0.2733, 0.3533

Rectangle

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



58.2133, 0.2563, 0.2729



58.2133, 0.3040, 0.2777



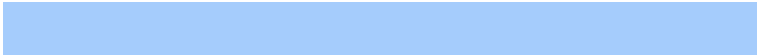
58.2133, 0.3708, 0.3855



58.2133, 0.3181, 0.3882

Sweetspot

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



58.2156, 0.2563, 0.2729



86.8373, 0.2971, 0.3148



82.3963, 0.2830, 0.3743



18.2126, 0.2949, 0.3127



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.



58.2156, 0.2563, 0.2729



53.8461, 0.2453, 0.2602



42.3975, 0.2529, 0.2260



17.9256, 0.2979, 0.3156



10.1077, 0.1725, 0.1409



1.1444, 0.1788, 0.1636

Inverse Universe

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



51.9512, 0.3579, 0.2883



47.2646, 0.3700, 0.2805



92.2083, 0.3619, 0.4162



17.3547, 0.3223, 0.3184



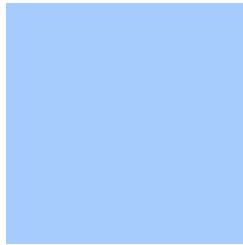
11.4313, 0.5179, 0.2627



1.0798, 0.4885, 0.2465

Previews

White Background



This preview shows how the Yxy color 58.2133, 0.2563, 0.2729 looks on a white background.

Color Contrast Check

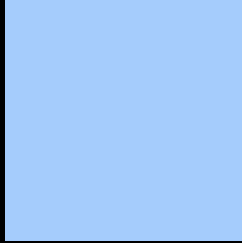
Large Text (above 18pt) WCAG AA × Fail

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 58.2133, 0.2563, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

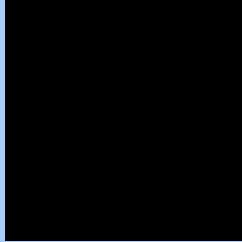
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

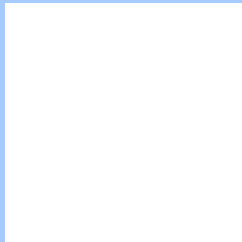
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2133, 0.2563, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 58.2133, 0.2563, 0.2729.

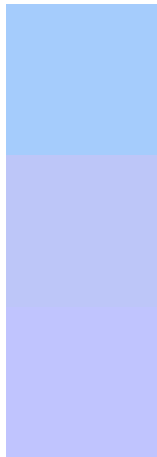


This preview shows how white text looks on a background with the Yxy color 58.2133, 0.2563, 0.2729.

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

58.2133, 0.2563, 0.2729

Protanopia

57.9843, 0.2728, 0.2722

Deuteranopia

57.8421, 0.2711, 0.2641



Tritanopia

58.4081, 0.2683, 0.3091

Trichromacy



Original Color

58.2133, 0.2563, 0.2729

Protanomaly

57.8514, 0.2666, 0.2726

Deuteranomaly

57.8838, 0.2655, 0.2675

Tritanomaly

58.2009, 0.2636, 0.2950

Monochromacy



Original Color

58.2133, 0.2563, 0.2729

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.8096, 0.2898, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2133, 0.2563, 0.2729 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, 204, 252)` looks like.

```
.text, #text, p{  
    color:rgb(165, 204, 252)  
}
```

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, 204, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 204, 252) }
```

Border

The CSS property to change the border of an element to Yxy 58.2133, 0.2563, 0.2729 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, 204, 252) }
```

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

```
.border{ border-color:rgb(165, 204, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 204, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 204, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 204, 252);  
box-shadow:4px 4px 4px 4px rgb(165, 204,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2133, 0.2563, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 204, 252) }
```

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

```
.background{ background-color: rgb(165,  
204, 252) }
```

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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