

Converting Colors

$Yxy(63.3238, 0.2632, 0.2893)$

Have a look what the booklet for
Yxy(63.3238, 0.2632, 0.2893)
contains.

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Color

Yxy(63.5284, 0.2635, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	ABD6F8
RGB	171, 214, 248
RGB Percent	67%, 84%, 97%
CMY	0.3290, 0.1609, 0.0274
CMYK	0.31, 0.14, 0.00, 0.03
HSL	207°, 85%, 82%
HSV	207°, 31%, 97%
XYZ	57.8029, 63.5284, 98.0347
YIQ	205.0190, -36.5420, 1.4580

Conversions

Conversions Part 2

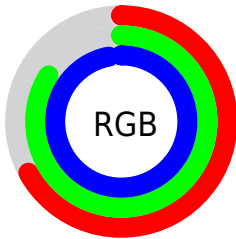
Format	Color
R _Y B	171, 199, 248
Decimal	11261688
CIE Lab	83.72, -6.21, -21.19
CIE LCh	84, 22.084, 253.673
Yxy	63.5284, 0.2635, 0.2896
Android (android.graphics.Color)	4289451768 (0xFFABD6F8)
YUV	205.0190, 21.1896, -29.8347
Hunter-Lab	79.7047, -10.0326, -17.1318

Details

The Yxy color **63.5284, 0.2635, 0.2896** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.6350, 0.3724, 0.3652**, and the grayscale version is **60.9570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **32.3840, 0.2517, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **55.6307, 0.2476, 0.2744**, and if you desaturate by 10%, it is **72.3281, 0.2796, 0.3036**.

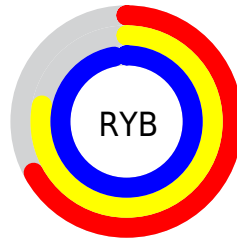
Distribution



Red (67%)

Green (84%)

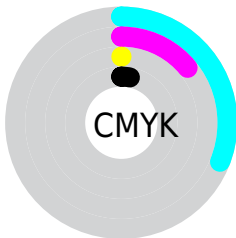
Blue (97%)



Red (67%)

Yellow (78%)

Blue (97%)

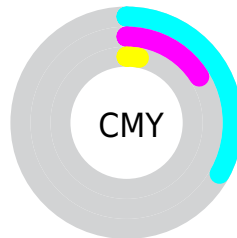


Cyan (31%)

Magenta (14%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (16%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5284, 0.2635, 0.2896 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 63.5284, 0.2635, 0.2896 by changing the saturation by 10% instead.

■ 63.5284, 0.2635,
0.2896

■ 63.5284, 0.2635,
0.2896

437.4846, 0.2864,
0.3083

■ 46.2688, 0.2583,
0.2852

■ 109.9315, 0.2715,
0.2962

■ 32.4580, 0.2518,
0.2798

139.8438, 0.2746,
0.2987

■ 21.7116, 0.2436,
0.2728

174.7424, 0.2772,
0.3009

■ 13.6451, 0.2329,
0.2637

215.0118, 0.2795,
0.3028

■ 7.8743, 0.2185,
0.2511

261.0363, 0.2816,
0.3044

■ 4.0146, 0.1981,
0.2328

313.2003, 0.2834,

■ 1.6817, 0.1673,

0.3059

0.2043

371.8883, 0.2850,
0.3072

0.4118, 0.0816,
0.1401

0.0000, 0.0000,
0.0000

63.5284, 0.2635,
0.2896

63.5284, 0.2635,
0.2896

55.6307, 0.2476,
0.2744

72.3281, 0.2796,
0.3036

48.5910, 0.2325,
0.2581

82.0564, 0.2956,
0.3164

42.3719, 0.2184,
0.2411

92.7479, 0.3112,
0.3279

36.9298, 0.2060,
0.2237

99.5583, 0.3168,
0.3357

■ 32.2153, 0.1955,
0.2063

■ 28.1707, 0.1874,
0.1893

■ 25.0286, 0.1818,
0.1746

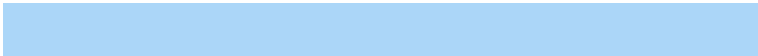
Harmonies

Analogous

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



63.5284, 0.2608, 0.3074



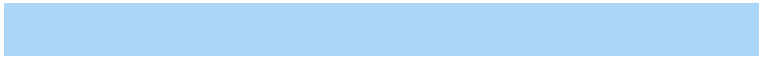
63.5284, 0.2635, 0.2896



63.5284, 0.2788, 0.2829

Triad

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



63.5284, 0.2635, 0.2896



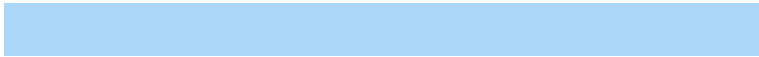
63.5284, 0.3557, 0.3233



63.5284, 0.3200, 0.3752

Complementary

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



63.5284, 0.2635, 0.2896



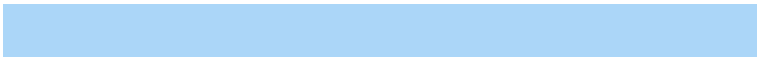
66.6350, 0.3724, 0.3652

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.



63.5284, 0.3463, 0.3779



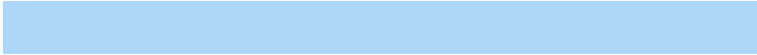
63.5284, 0.2635, 0.2896



63.5284, 0.3676, 0.3467

Square

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



63.5284, 0.2635, 0.2896



63.5284, 0.3318, 0.3022



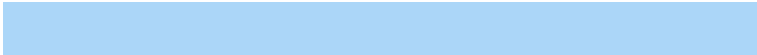
63.5284, 0.3640, 0.3668



63.5284, 0.2925, 0.3582

Rectangle

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



63.5284, 0.2635, 0.2896



63.5284, 0.2945, 0.2848



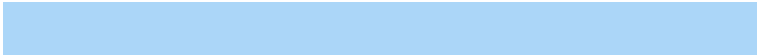
63.5284, 0.3640, 0.3668



63.5284, 0.3292, 0.3778

Sweetspot

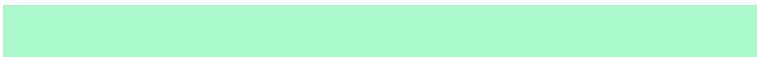
The Sweet Spot groups the original color and five complimentary colors.



63.5309, 0.2635, 0.2896



89.5943, 0.2987, 0.3188



80.1951, 0.2905, 0.3797



18.8338, 0.2964, 0.3171



0.0000, 0.0000, 0.0000



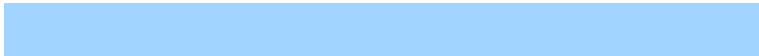
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5309, 0.2635, 0.2896



62.4726, 0.2539, 0.2805



46.5906, 0.2581, 0.2438



18.2480, 0.2980, 0.3182



13.8030, 0.1826, 0.1772



1.4898, 0.1880, 0.1968

Inverse Universe

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



53.9795, 0.3444, 0.2841



51.4441, 0.3528, 0.2751



86.9384, 0.3611, 0.4020



17.3872, 0.3206, 0.3159



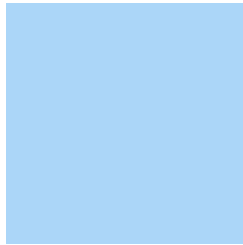
11.8043, 0.4719, 0.2374



1.1146, 0.4489, 0.2246

Previews

White Background



This preview shows how the Yxy color 63.5284, 0.2635, 0.2896 looks on a white background.

Color Contrast Check

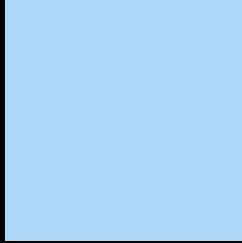
Large Text (above 18pt) WCAG AA × Fail

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 63.5284, 0.2635, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

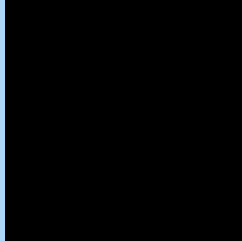
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

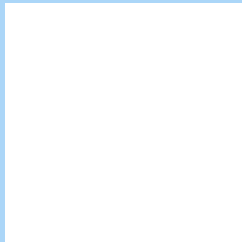
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5284, 0.2635, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 63.5284, 0.2635, 0.2896.



This preview shows how white text looks on a background with the Yxy color 63.5284, 0.2635, 0.2896.

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

63.5284, 0.2635, 0.2896

Protanopia

63.0312, 0.2846, 0.2878

Deuteranopia

63.4978, 0.2849, 0.2789



Tritanopia

63.3771, 0.2696, 0.3075

Trichromacy



Original Color

63.5284, 0.2635, 0.2896

Protanomaly

63.1407, 0.2763, 0.2883

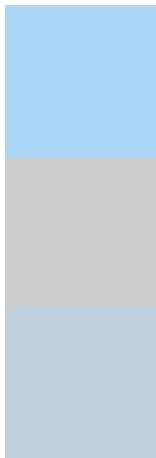
Deuteranomaly

63.5534, 0.2771, 0.2833

Tritanomaly

63.2679, 0.2673, 0.3007

Monochromacy



Original Color

63.5284, 0.2635, 0.2896

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6697, 0.2931, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5284, 0.2635, 0.2896 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(171, 214, 248)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 248)  
}
```

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(171, 214, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 248) }
```

Border

The CSS property to change the border of an element to Yxy 63.5284, 0.2635, 0.2896 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(171, 214, 248) }
```

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

```
.border{ border-color:rgb(171, 214, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 214, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 248);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5284, 0.2635, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 248) }
```

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

```
.background{ background-color: rgb(171,  
214, 248) }
```

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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