

Converting Colors

$Yxy(63.5014, 0.2654, 0.2934)$

Have a look what the booklet for
Yxy(63.5014, 0.2654, 0.2934)
contains.

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Color

Yxy(63.3436, 0.2651, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	ABD6F5
RGB	171, 214, 245
RGB Percent	67%, 84%, 96%
CMY	0.3292, 0.1608, 0.0392
CMYK	0.30, 0.13, 0.00, 0.04
HSL	205°, 79%, 82%
HSV	205°, 30%, 96%
XYZ	57.3315, 63.3436, 95.5885
YIQ	204.6770, -35.5790, 0.5250

Conversions

Conversions Part 2

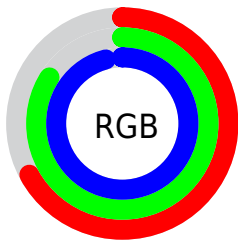
Format	Color
R _Y B	171, 198, 245
Decimal	11261685
CIE Lab	83.62, -6.95, -19.74
CIE LCh	84, 20.927, 250.614
Yxy	63.3436, 0.2651, 0.2929
Android (android.graphics.Color)	4289451765 (0xFFABD6F5)
YUV	204.6770, 19.8792, -29.5347
Hunter-Lab	79.5887, -10.6983, -15.4971

Details

The Yxy color **63.3436, 0.2651, 0.2929** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.6274, 0.3709, 0.3624**, and the grayscale version is **60.7310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **32.2523, 0.2536, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **55.8065, 0.2494, 0.2786**, and if you desaturate by 10%, it is **71.7238, 0.2810, 0.3061**.

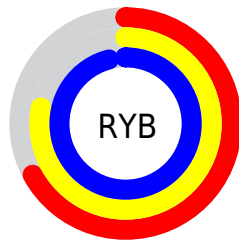
Distribution



Red (67%)

Green (84%)

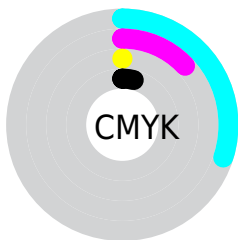
Blue (96%)



Red (67%)

Yellow (78%)

Blue (96%)

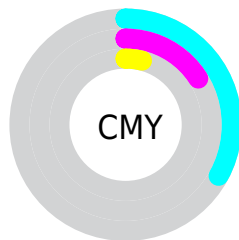


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3436, 0.2651, 0.2929 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 63.3436, 0.2651, 0.2929 by changing the saturation by 10% instead.

■ 63.3436, 0.2651,
0.2929

■ 63.3436, 0.2651,
0.2929

436.8154, 0.2873,
0.3101

■ 46.1192, 0.2600,
0.2889

■ 109.6651, 0.2728,
0.2990

■ 32.3399, 0.2537,
0.2838

139.5310, 0.2758,
0.3013

■ 21.6213, 0.2458,
0.2774

174.3795, 0.2784,
0.3033

■ 13.5789, 0.2354,
0.2688

214.5950, 0.2806,
0.3050

■ 7.8284, 0.2213,
0.2570

260.5620, 0.2826,
0.3065

■ 3.9853, 0.2012,
0.2398

312.6648, 0.2844,

■ 1.6654, 0.1708,

0.3079

371.2878, 0.2859,
0.3091

0.2125

0.4011, 0.0782,
0.1482

0.0000, 0.0000,
0.0000

63.3436, 0.2651,
0.2929

63.3436, 0.2651,
0.2929

55.8065, 0.2494,
0.2786

71.7238, 0.2810,
0.3061

49.0706, 0.2345,
0.2634

80.9713, 0.2969,
0.3180

43.1014, 0.2206,
0.2474

91.1186, 0.3124,
0.3288

37.8580, 0.2084,
0.2310

99.3725, 0.3185,
0.3386

■ 33.2943, 0.1981,
0.2145

■ 29.3563, 0.1901,
0.1983

■ 26.0145, 0.1842,
0.1829

Harmonies

Analogous

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



63.3436, 0.2638, 0.3108



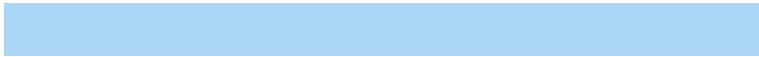
63.3436, 0.2651, 0.2929



63.3436, 0.2785, 0.2853

Triad

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



63.3436, 0.2651, 0.2929



63.3436, 0.3516, 0.3215



63.3436, 0.3224, 0.3736

Complementary

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



63.3436, 0.2651, 0.2929



64.6274, 0.3709, 0.3624

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.



63.3436, 0.3468, 0.3748



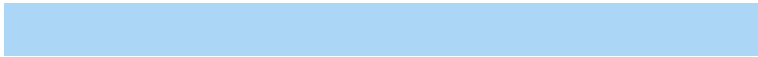
63.3436, 0.2651, 0.2929



63.3436, 0.3643, 0.3437

Square

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



63.3436, 0.2651, 0.2929



63.3436, 0.3282, 0.3017



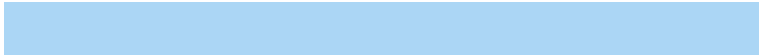
63.3436, 0.3624, 0.3633



63.3436, 0.2961, 0.3588

Rectangle

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



63.3436, 0.2651, 0.2929



63.3436, 0.2930, 0.2864



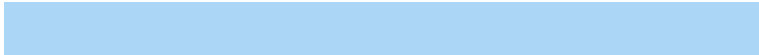
63.3436, 0.3624, 0.3633



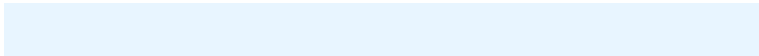
63.3436, 0.3311, 0.3756

Sweetspot

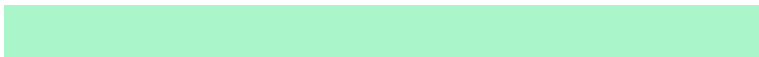
The Sweet Spot groups the original color and five complimentary colors.



63.3461, 0.2651, 0.2929



89.9165, 0.2987, 0.3194



78.2265, 0.2917, 0.3796



18.9132, 0.2964, 0.3177



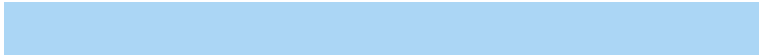
0.0000, 0.0000, 0.0000



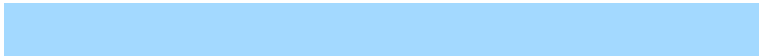
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3461, 0.2651, 0.2929



64.3973, 0.2558, 0.2846



46.7894, 0.2600, 0.2480



17.5252, 0.2980, 0.3188



14.2948, 0.1849, 0.1854



1.4593, 0.1903, 0.2051

Inverse Universe

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



53.4156, 0.3418, 0.2837



52.5094, 0.3494, 0.2745



83.9922, 0.3601, 0.3988



16.6439, 0.3202, 0.3153



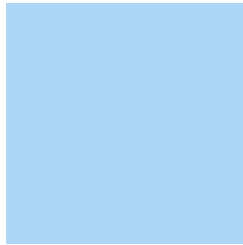
11.5424, 0.4621, 0.2319



1.0350, 0.4395, 0.2195

Previews

White Background



This preview shows how the Yxy color 63.3436, 0.2651, 0.2929 looks on a white background.

Color Contrast Check

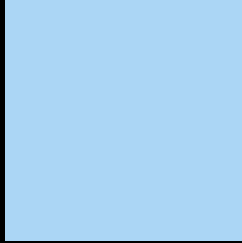
Large Text (above 18pt) WCAG AA × Fail

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 63.3436, 0.2651, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

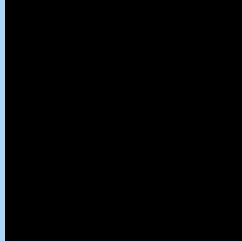
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

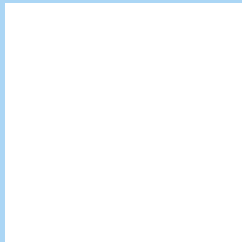
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3436, 0.2651, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 63.3436, 0.2651, 0.2929.



This preview shows how white text looks on a background with the Yxy color 63.3436, 0.2651, 0.2929.

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

63.3436, 0.2651, 0.2929

Protanopia

62.9904, 0.2871, 0.2910

Deuteranopia

62.9826, 0.2874, 0.2809



Tritanopia

63.3198, 0.2701, 0.3087

Trichromacy



Original Color

63.3436, 0.2651, 0.2929

Protanomaly

63.0881, 0.2787, 0.2915

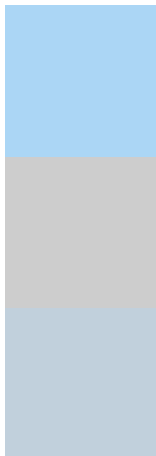
Deuteranomaly

62.8816, 0.2788, 0.2853

Tritanomaly

63.1503, 0.2684, 0.3029

Monochromacy



Original Color

63.3436, 0.2651, 0.2929

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6165, 0.2937, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3436, 0.2651, 0.2929 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 245) }
```

Border

The CSS property to change the border of an element to Yxy 63.3436, 0.2651, 0.2929 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, 245) }
```

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

```
.border{ border-color:rgb(171, 214, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3436, 0.2651, 0.2929 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, 245) }
```

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

```
.background{ background-color: rgb(171,  
214, 245) }
```

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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