

Converting Colors

$Yxy(68.6990, 0.2651, 0.2948)$

Have a look what the booklet for
Yxy(68.6990, 0.2651, 0.2948)
contains.

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Color

Yxy(68.5645, 0.2648, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	B0DEFD
RGB	176, 222, 253
RGB Percent	69%, 87%, 99%
CMY	0.3098, 0.1294, 0.0079
CMYK	0.30, 0.12, 0.00, 0.01
HSL	204°, 95%, 84%
HSV	204°, 30%, 99%
XYZ	61.7547, 68.5645, 102.8934
YIQ	211.7800, -37.3670, -0.1110

Conversions

Conversions Part 2

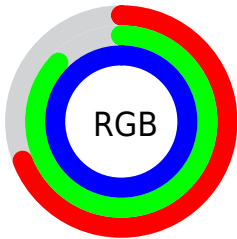
Format	Color
R _Y B	176, 205, 253
Decimal	11591421
CIE Lab	86.29, -7.84, -19.90
CIE LCh	86, 21.392, 248.509
Yxy	68.5645, 0.2648, 0.2940
Android (android.graphics.Color)	4289781501 (0xFFB0DEFD)
YUV	211.7800, 20.3215, -31.3791
Hunter-Lab	82.8037, -11.7818, -15.7123

Details

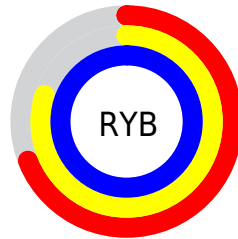
The Yxy color **68.5645, 0.2648, 0.2940** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6366, 0.3721, 0.3614**, and the grayscale version is **65.5683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.6879, 0.2537, 0.2860** is the 20% darker color. If you saturate the color by 10%, you get **60.6409, 0.2493, 0.2803**, and if you desaturate by 10%, it is **77.3697, 0.2807, 0.3067**.

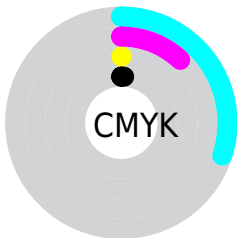
Distribution



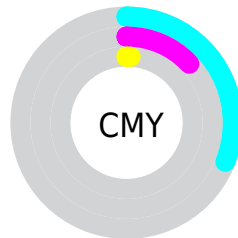
- Red (69%)
- Green (87%)
- Blue (99%)



- Red (69%)
- Yellow (80%)
- Blue (99%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (31%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5645, 0.2648, 0.2940 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 68.5645, 0.2648, 0.2940 by changing the saturation by 10% instead.

■ 68.5645, 0.2648,
0.2940

■ 68.5645, 0.2648,
0.2940

■ 455.4935, 0.2868,
0.3105

■ 50.3571, 0.2598,
0.2902

■ 117.1593, 0.2724,
0.2998

■ 35.6972, 0.2537,
0.2854

■ 148.3156, 0.2754,
0.3020

■ 24.2005, 0.2460,
0.2794

■ 184.5569, 0.2779,
0.3039

■ 15.4824, 0.2361,
0.2715

■ 226.2677, 0.2802,
0.3056

■ 9.1586, 0.2228,
0.2607

■ 273.8324, 0.2821,
0.3070

■ 4.8448, 0.2042,
0.2451

■ 327.6353, 0.2839,

■ 2.1565, 0.1766,

0.3083

0.2211

388.0609, 0.2854,
0.3095

0.6961, 0.1216,
0.1800

0.0000, 0.0000,
0.0000

68.5645, 0.2648,
0.2940

68.5645, 0.2648,
0.2940

60.6409, 0.2493,
0.2803

77.3697, 0.2807,
0.3067

53.5544, 0.2345,
0.2657

87.0822, 0.2965,
0.3182

47.2684, 0.2210,
0.2503

97.7363, 0.3121,
0.3286

41.7393, 0.2090,
0.2346

99.8708, 0.3139,
0.3309

■ 36.9179, 0.1991,
0.2187

■ 32.7465, 0.1913,
0.2031

■ 29.2763, 0.1858,
0.1887

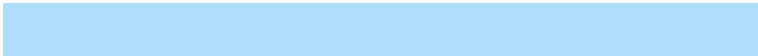
Harmonies

Analogous

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



68.5645, 0.2644, 0.3124



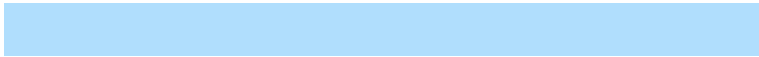
68.5645, 0.2648, 0.2940



68.5645, 0.2774, 0.2857

Triad

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



68.5645, 0.2648, 0.2940



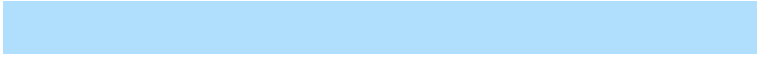
68.5645, 0.3500, 0.3200



68.5645, 0.3242, 0.3739

Complementary

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



68.5645, 0.2648, 0.2940



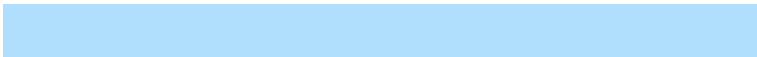
68.6366, 0.3721, 0.3614

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.



68.5645, 0.3481, 0.3742



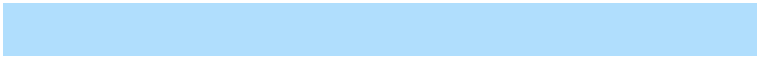
68.5645, 0.2648, 0.2940



68.5645, 0.3636, 0.3421

Square

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



68.5645, 0.2648, 0.2940



68.5645, 0.3263, 0.3007



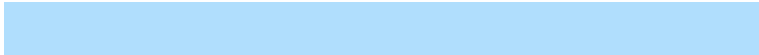
68.5645, 0.3628, 0.3620



68.5645, 0.2979, 0.3600

Rectangle

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



68.5645, 0.2648, 0.2940



68.5645, 0.2914, 0.2862



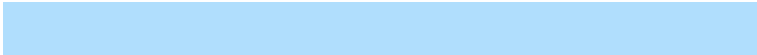
68.5645, 0.3628, 0.3620



68.5645, 0.3328, 0.3756

Sweetspot

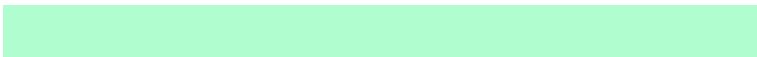
The Sweet Spot groups the original color and five complimentary colors.



68.5672, 0.2648, 0.2940



90.1516, 0.2987, 0.3197



83.9673, 0.2922, 0.3817



18.9712, 0.2964, 0.3182



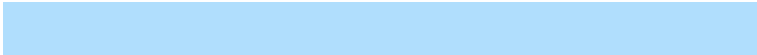
0.0000, 0.0000, 0.0000



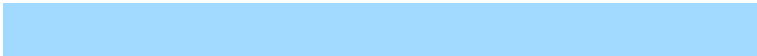
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5672, 0.2648, 0.2940



64.3997, 0.2545, 0.2851



50.4829, 0.2596, 0.2486



19.1830, 0.2979, 0.3192



15.8694, 0.1864, 0.1911



1.7594, 0.1912, 0.2084

Inverse Universe

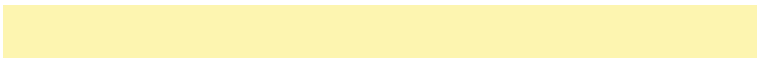
The Inverse Universe completely reimagines the original color for something new.



57.2094, 0.3411, 0.2819



51.6387, 0.3493, 0.2715



89.4932, 0.3609, 0.3984



18.1693, 0.3200, 0.3149



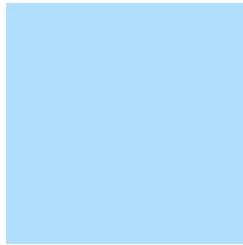
12.3300, 0.4554, 0.2283



1.2222, 0.4359, 0.2175

Previews

White Background



This preview shows how the Yxy color 68.5645, 0.2648, 0.2940 looks on a white background.

Color Contrast Check

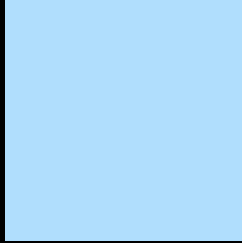
Large Text (above 18pt) WCAG AA × Fail

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 68.5645, 0.2648, 0.2940 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

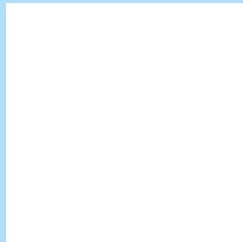
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5645, 0.2648, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 68.5645, 0.2648, 0.2940.



This preview shows how white text looks on a background with the Yxy color 68.5645, 0.2648, 0.2940.

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

68.5645, 0.2648, 0.2940

Protanopia

68.3638, 0.2879, 0.2932

Deuteranopia

68.0649, 0.2882, 0.2814



Tritanopia

68.7208, 0.2697, 0.3082

Trichromacy



Original Color

68.5645, 0.2648, 0.2940

Protanomaly

68.3356, 0.2791, 0.2937

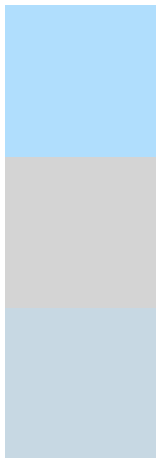
Deuteranomaly

67.8054, 0.2792, 0.2855

Tritanomaly

68.5431, 0.2680, 0.3027

Monochromacy



Original Color

68.5645, 0.2648, 0.2940

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.7999, 0.2936, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5645, 0.2648, 0.2940 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(176, 222, 253)` looks like.

```
.text, #text, p{  
    color:rgb(176, 222, 253)  
}
```

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(176, 222, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 222, 253) }
```

Border

The CSS property to change the border of an element to Yxy 68.5645, 0.2648, 0.2940 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(176, 222, 253) }
```

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

```
.border{ border-color:rgb(176, 222, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 222, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 222, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 222, 253); box-shadow:4px 4px 4px 4px rgb(176, 222, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5645, 0.2648, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 222, 253) }
```

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

```
.background{ background-color: rgb(176,  
222, 253) }
```

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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