

Converting Colors

$Yxy(68.0158, 0.2639, 0.2960)$

Have a look what the booklet for
Yxy(68.0158, 0.2639, 0.2960)
contains.

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Color

Yxy(68.0918, 0.2641, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	ADDEFB
RGB	173, 222, 251
RGB Percent	68%, 87%, 98%
CMY	0.3218, 0.1293, 0.0157
CMYK	0.31, 0.12, 0.00, 0.02
HSL	202°, 91%, 83%
HSV	202°, 31%, 98%
XYZ	60.7535, 68.0918, 101.1945
YIQ	210.6550, -38.5130, -1.3690

Conversions

Conversions Part 2

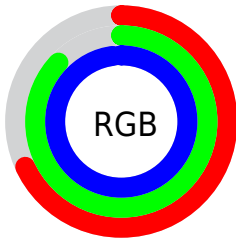
Format	Color
RYB	173, 203, 251
Decimal	11394811
CIELab	86.05, -9.17, -19.22
CIElCh	86, 21.302, 244.488
Yxy	68.0918, 0.2641, 0.2960
Android (android.graphics.Color)	4289584891 (0xFFADDEFB)
YUV	210.6550, 19.8901, -33.0234
Hunter-Lab	82.5178, -12.9858, -14.9471

Details

The Yxy color **68.0918, 0.2641, 0.2960** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7128, 0.3744, 0.3597**, and the grayscale version is **64.7802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **35.3840, 0.2530, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **60.6862, 0.2489, 0.2834**, and if you desaturate by 10%, it is **76.3134, 0.2797, 0.3077**.

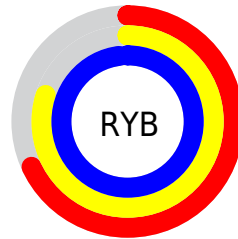
Distribution



Red (68%)

Green (87%)

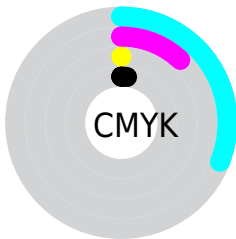
Blue (98%)



Red (68%)

Yellow (80%)

Blue (98%)

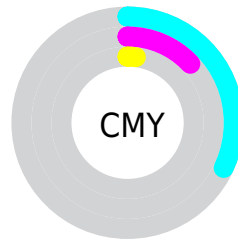


Cyan (31%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (32%)


Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0918, 0.2641, 0.2960 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 68.0918, 0.2641, 0.2960 by changing the saturation by 10% instead.


 68.0918, 0.2641,
0.2960

 68.0918, 0.2641,
0.2960

453.8212, 0.2865,
0.3116

 49.9724, 0.2590,
0.2924

 116.4835, 0.2718,
0.3015

 35.3915, 0.2528,
0.2878


147.5245, 0.2748,
0.3036

 23.9646, 0.2450,
0.2821


183.6416, 0.2774,
0.3054

 15.3074, 0.2349,
0.2745

225.2191, 0.2797,
0.3070

 9.0354, 0.2214,
0.2640

272.6414, 0.2817,
0.3084

 4.7643, 0.2024,
0.2489

326.2930, 0.2835,

 2.1096, 0.1742,

0.3096

0.2252

386.5581, 0.2850,
0.3107

0.6700, 0.1135,
0.1843

0.0000, 0.0000,
0.0000

68.0918, 0.2641,
0.2960

68.0918, 0.2641,
0.2960

60.6862, 0.2489,
0.2834

76.3134, 0.2797,
0.3077

54.0540, 0.2346,
0.2699

85.3751, 0.2955,
0.3184

48.1604, 0.2216,
0.2559

95.3095, 0.3110,
0.3280

42.9635, 0.2103,
0.2414

99.7441, 0.3150,
0.3328

■ 38.4161, 0.2009,
0.2269

■ 34.4624, 0.1937,
0.2126

■ 31.3672, 0.1889,
0.2001

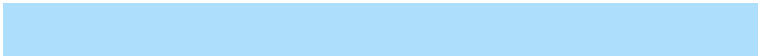
Harmonies

Analogous

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



68.0918, 0.2654, 0.3155



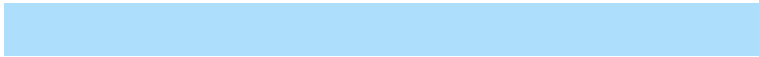
68.0918, 0.2641, 0.2960



68.0918, 0.2751, 0.2862

Triad

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



68.0918, 0.2641, 0.2960



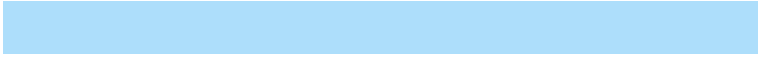
68.0918, 0.3472, 0.3172



68.0918, 0.3276, 0.3747

Complementary

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



68.0918, 0.2641, 0.2960



65.7128, 0.3744, 0.3597

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.



68.0918, 0.3506, 0.3731



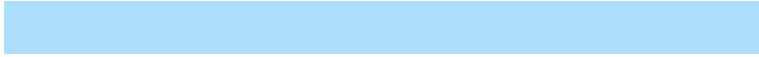
68.0918, 0.2641, 0.2960



68.0918, 0.3625, 0.3391

Square

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



68.0918, 0.2641, 0.2960



68.0918, 0.3227, 0.2986



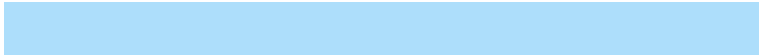
68.0918, 0.3636, 0.3596



68.0918, 0.3013, 0.3625

Rectangle

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



68.0918, 0.2641, 0.2960



68.0918, 0.2884, 0.2858



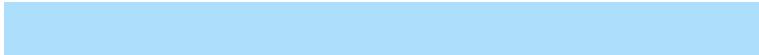
68.0918, 0.3636, 0.3596



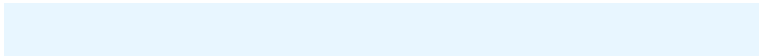
68.0918, 0.3360, 0.3757

Sweetspot

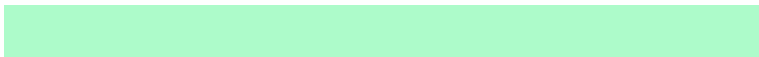
The Sweet Spot groups the original color and five complimentary colors.



68.0945, 0.2641, 0.2960



90.5905, 0.2987, 0.3205



82.1047, 0.2931, 0.3862



19.0795, 0.2965, 0.3190



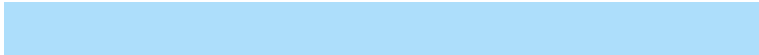
0.0000, 0.0000, 0.0000



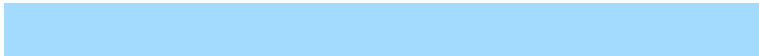
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0945, 0.2641, 0.2960



65.9415, 0.2550, 0.2886



49.8472, 0.2586, 0.2497



18.4625, 0.2980, 0.3200



16.7784, 0.1896, 0.2025



1.7569, 0.1942, 0.2192

Inverse Universe

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



55.6423, 0.3398, 0.2785



51.7943, 0.3467, 0.2686



86.1821, 0.3627, 0.3975



17.4089, 0.3195, 0.3142



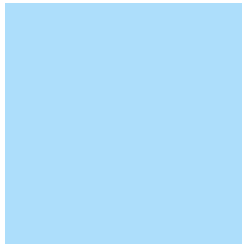
12.1047, 0.4425, 0.2211



1.1416, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 68.0918, 0.2641, 0.2960 looks on a white background.

Color Contrast Check

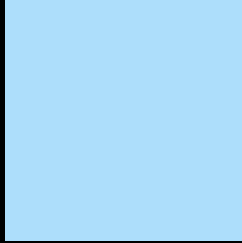
Large Text (above 18pt) WCAG AA × Fail

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 68.0918, 0.2641, 0.2960 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

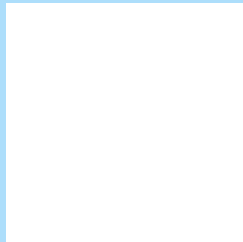
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0918, 0.2641, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 68.0918, 0.2641, 0.2960.

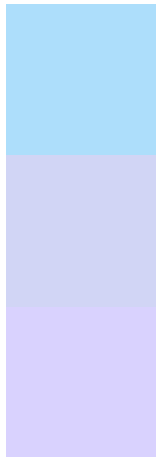


This preview shows how white text looks on a background with the Yxy color 68.0918, 0.2641, 0.2960.

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

68.0918, 0.2641, 0.2960

Protanopia

67.7364, 0.2891, 0.2942

Deuteranopia

68.0007, 0.2889, 0.2824



Tritanopia

68.3800, 0.2680, 0.3081

Trichromacy



Original Color

68.0918, 0.2641, 0.2960

Protanomaly

67.5629, 0.2796, 0.2946

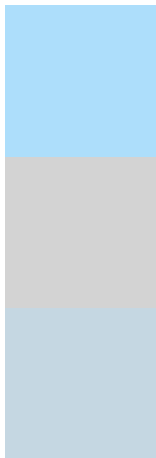
Deuteranomaly

67.6025, 0.2791, 0.2865

Tritanomaly

68.1386, 0.2669, 0.3036

Monochromacy



Original Color

68.0918, 0.2641, 0.2960

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.9622, 0.2929, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0918, 0.2641, 0.2960 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(173, 222, 251)` looks like.

```
.text, #text, p{  
    color:rgb(173, 222, 251)  
}
```

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(173, 222, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 222, 251) }
```

Border

The CSS property to change the border of an element to Yxy 68.0918, 0.2641, 0.2960 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(173, 222, 251) }
```

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

```
.border{ border-color:rgb(173, 222, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 222, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 222, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 222, 251);  
box-shadow:4px 4px 4px 4px rgb(173, 222,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0918, 0.2641, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 222, 251) }
```

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

```
.background{ background-color: rgb(173,  
222, 251) }
```

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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