

Converting Colors

$Yxy(64.5079, 0.2683, 0.3064)$

Have a look what the booklet for
Yxy(64.5079, 0.2683, 0.3064)
contains.

Yxy(64.5821, 0.2682, 0.3065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5821, 0.2682, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	A8DAED
RGB	168, 218, 237
RGB Percent	66%, 85%, 93%
CMY	0.3410, 0.1451, 0.0705
CMYK	0.29, 0.08, 0.00, 0.07
HSL	197°, 66%, 79%
HSV	197°, 29%, 93%
XYZ	56.5120, 64.5821, 89.6142
YIQ	205.2160, -35.8990, -4.6910

Conversions

Conversions Part 2

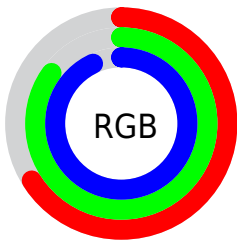
Format	Color
R _{YB}	168, 197, 237
Decimal	11066093
CIE Lab	84.27, -11.75, -14.55
CIE LCh	84, 18.704, 231.084
Yxy	64.5821, 0.2682, 0.3065
Android (android.graphics.Color)	4289256173 (0xFFA8DAED)
YUV	205.2160, 15.6695, -32.6384
Hunter-Lab	80.3630, -15.1124, -9.8613

Details

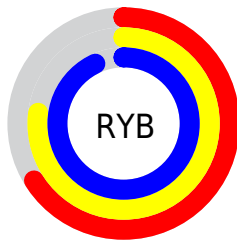
The Yxy color **64.5821, 0.2682, 0.3065** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.3959, 0.3714, 0.3503**, and the grayscale version is **61.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **33.1080, 0.2577, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **58.8934, 0.2538, 0.2974**, and if you desaturate by 10%, it is **70.8836, 0.2833, 0.3149**.

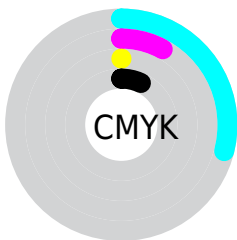
Distribution



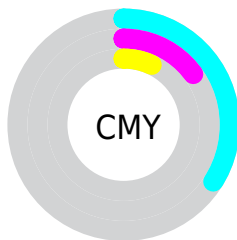
- Red (66%)
- Green (85%)
- Blue (93%)



- Red (66%)
- Yellow (77%)
- Blue (93%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5821, 0.2682, 0.3065 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 64.5821, 0.2682, 0.3065 by changing the saturation by 10% instead.

64.5821, 0.2682,
0.3065

64.5821, 0.2682,
0.3065

441.2887, 0.2889,
0.3174

47.1223, 0.2635,
0.3039

111.4488, 0.2754,
0.3104

33.1323, 0.2576,
0.3006

141.6246, 0.2782,
0.3119

22.2279, 0.2502,
0.2964

176.8077, 0.2806,
0.3131

14.0244, 0.2404,
0.2906

217.3827, 0.2827,
0.3142

8.1376, 0.2272,
0.2826

263.7339, 0.2845,
0.3152

4.1832, 0.2083,
0.2705

316.2457, 0.2862,

1.7765, 0.1793,

0.3160

0.2504

375.3025, 0.2876,
0.3168

0.4725, 0.0710,
0.2068

0.0000, 0.0000,
0.0000

64.5821, 0.2682,
0.3065

64.5821, 0.2682,
0.3065

58.8934, 0.2538,
0.2974

70.8836, 0.2833,
0.3149

53.7826, 0.2405,
0.2878

77.8155, 0.2986,
0.3226

49.2223, 0.2285,
0.2778

85.4041, 0.3141,
0.3296

45.1797, 0.2182,
0.2674

92.1545, 0.3242,
0.3360

■ 41.6173, 0.2099,
0.2569

■ 96.1591, 0.3236,
0.3422

■ 38.4911, 0.2036,
0.2465

■ 98.8950, 0.3232,
0.3463

■ 35.7341, 0.1991,
0.2362

■ 35.4971, 0.1987,
0.2353

Harmonies

Analogous

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



64.5821, 0.2744, 0.3267



64.5821, 0.2682, 0.3065



64.5821, 0.2733, 0.2934

Triad

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



64.5821, 0.2682, 0.3065



64.5821, 0.3345, 0.3103



64.5821, 0.3361, 0.3706

Complementary

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



64.5821, 0.2682, 0.3065



56.3959, 0.3714, 0.3503

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.



64.5821, 0.3532, 0.3642



64.5821, 0.2682, 0.3065



64.5821, 0.3524, 0.3293

Square

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



64.5821, 0.2682, 0.3065



64.5821, 0.3109, 0.2962



64.5821, 0.3594, 0.3489



64.5821, 0.3131, 0.3651

Rectangle

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



64.5821, 0.2682, 0.3065



64.5821, 0.2826, 0.2900



64.5821, 0.3594, 0.3489



64.5821, 0.3427, 0.3698

Sweetspot

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



64.5847, 0.2682, 0.3065



91.9340, 0.2987, 0.3227



72.4661, 0.2983, 0.3905



19.4114, 0.2965, 0.3216



0.0000, 0.0000, 0.0000



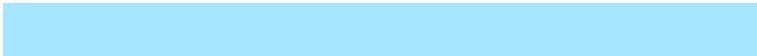
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5847, 0.2682, 0.3065



72.1152, 0.2594, 0.3011



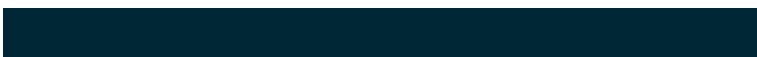
48.7784, 0.2637, 0.2646



16.3790, 0.2981, 0.3224



19.6091, 0.1992, 0.2370



1.6993, 0.2031, 0.2512

Inverse Universe

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



51.0862, 0.3318, 0.2752



54.1772, 0.3369, 0.2639



72.5031, 0.3612, 0.3860



15.2388, 0.3180, 0.3121



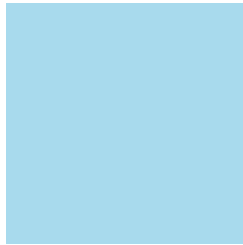
11.4724, 0.4054, 0.2007



0.9170, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 64.5821, 0.2682, 0.3065 looks on a white background.

Color Contrast Check

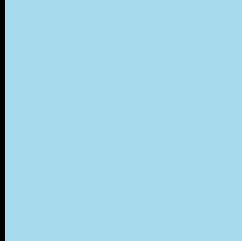
Large Text (above 18pt) WCAG AA × Fail

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 64.5821, 0.2682, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

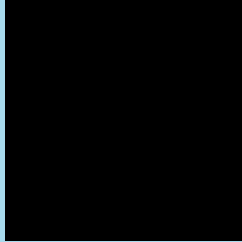
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5821, 0.2682, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 64.5821, 0.2682, 0.3065.



This preview shows how white text looks on a background with the Yxy color 64.5821, 0.2682, 0.3065.

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

64.5821, 0.2682, 0.3065

Protanopia

64.1467, 0.2965, 0.3032

Deuteranopia

64.0759, 0.2969, 0.2899



Tritanopia

64.5238, 0.2687, 0.3077

Trichromacy



Original Color

64.5821, 0.2682, 0.3065

Protanomaly

64.3076, 0.2857, 0.3049

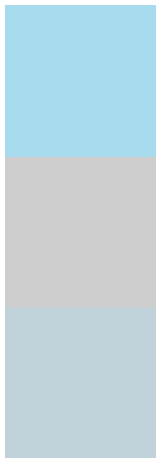
Deuteranomaly

63.9750, 0.2859, 0.2953

Tritanomaly

64.5238, 0.2687, 0.3077

Monochromacy



Original Color

64.5821, 0.2682, 0.3065

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.3094, 0.2950, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5821, 0.2682, 0.3065 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(168, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(168, 218, 237)  
}
```

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(168, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 218, 237) }
```

Border

The CSS property to change the border of an element to Yxy 64.5821, 0.2682, 0.3065 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(168, 218, 237) }
```

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

```
.border{ border-color:rgb(168, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(168, 218,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5821, 0.2682, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 218, 237) }
```

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

```
.background{ background-color: rgb(168,  
218, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor