

Converting Colors

$Yxy(59.1156, 0.2699, 0.3073)$

Have a look what the booklet for
Yxy(59.1156, 0.2699, 0.3073)
contains.

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Color

Yxy(58.9335, 0.2696, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	A3D1E3
RGB	163, 209, 227
RGB Percent	64%, 82%, 89%
CMY	0.3608, 0.1804, 0.1098
CMYK	0.28, 0.08, 0.00, 0.11
HSL	197°, 53%, 76%
HSV	197°, 28%, 89%
XYZ	51.7708, 58.9335, 81.3240
YIQ	197.2980, -33.1940, -4.1540

Conversions

Conversions Part 2

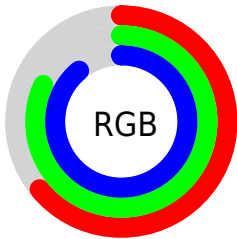
Format	Color
RYB	163, 190, 227
Decimal	10736099
CIELab	81.26, -10.87, -13.78
CIElCh	81, 17.548, 231.744
Yxy	58.9335, 0.2696, 0.3069
Android (android.graphics.Color)	4288926179 (0xFFA3D1E3)
YUV	197.2980, 14.6431, -30.0793
Hunter-Lab	76.7682, -13.9676, -9.0709

Details

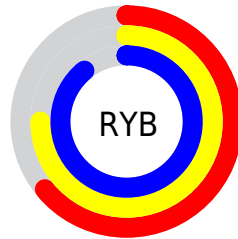
The Yxy color **58.9335, 0.2696, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.0283, 0.3688, 0.3500**, and the grayscale version is **55.9510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **29.6725, 0.2585, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **53.6795, 0.2551, 0.2977**, and if you desaturate by 10%, it is **64.7479, 0.2847, 0.3154**.

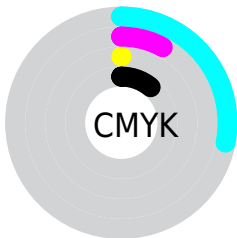
Distribution



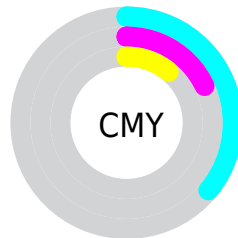
- Red (64%)
- Green (82%)
- Blue (89%)



- Red (64%)
- Yellow (75%)
- Blue (89%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9335, 0.2696, 0.3069 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 58.9335, 0.2696, 0.3069 by changing the saturation by 10% instead.

■ 58.9335, 0.2696,
0.3069

■ 58.9335, 0.2696,
0.3069

420.6554, 0.2900,
0.3178

■ 42.5596, 0.2648,
0.3043

■ 103.2810, 0.2768,
0.3108

■ 29.5397, 0.2589,
0.3009

■ 132.0234, 0.2795,
0.3123

■ 19.4895, 0.2513,
0.2965

165.6574, 0.2819,
0.3135

■ 12.0245, 0.2413,
0.2905

204.5674, 0.2839,
0.3146

■ 6.7604, 0.2274,
0.2820

249.1378, 0.2857,
0.3156

■ 3.3127, 0.2070,
0.2687

299.7530, 0.2873,

■ 1.2971, 0.1747,

0.3164

0.2460

356.7974, 0.2887,
0.3171

■ 0.1389, 0.0000,
0.1101

■ 0.0000, 0.0000,
0.0000

■ 58.9335, 0.2696,
0.3069

■ 58.9335, 0.2696,
0.3069

■ 53.6795, 0.2551,
0.2977

■ 64.7479, 0.2847,
0.3154

■ 48.9544, 0.2416,
0.2880

■ 71.1383, 0.3001,
0.3232

■ 44.7340, 0.2295,
0.2778

■ 78.1285, 0.3155,
0.3302

■ 40.9886, 0.2189,
0.2672

■ 85.7385, 0.3307,
0.3365

■ 37.6851, 0.2103,
0.2565

■ 89.6771, 0.3308,
0.3427

■ 34.7845, 0.2037,
0.2459

■ 93.5230, 0.3300,
0.3489

■ 32.2318, 0.1990,
0.2354

■ 97.5027, 0.3293,
0.3550

■ 31.7933, 0.1982,
0.2335

■ 98.3265, 0.3292,
0.3562

Harmonies

Analogous

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



58.9335, 0.2754, 0.3263



58.9335, 0.2696, 0.3069



58.9335, 0.2748, 0.2944

Triad

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



58.9335, 0.2696, 0.3069



58.9335, 0.3342, 0.3113



58.9335, 0.3349, 0.3693

Complementary

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



58.9335, 0.2696, 0.3069



52.0283, 0.3688, 0.3500

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.



58.9335, 0.3516, 0.3634



58.9335, 0.2696, 0.3069



58.9335, 0.3514, 0.3297

Square

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



58.9335, 0.2696, 0.3069



58.9335, 0.3115, 0.2975



58.9335, 0.3578, 0.3487



58.9335, 0.3126, 0.3636

Rectangle

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



58.9335, 0.2696, 0.3069



58.9335, 0.2839, 0.2912



58.9335, 0.3578, 0.3487



58.9335, 0.3414, 0.3685

Sweetspot

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



58.9359, 0.2696, 0.3069



92.7271, 0.3003, 0.3233



66.0275, 0.2987, 0.3881



19.5669, 0.2980, 0.3222



0.0000, 0.0000, 0.0000



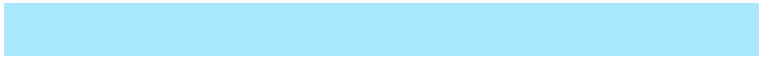
21.4041, 0.3127, 0.3290

Same Dimension

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



58.9359, 0.2696, 0.3069



72.5118, 0.2608, 0.3015



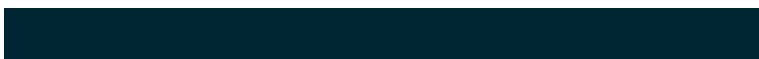
45.1501, 0.2655, 0.2671



15.6150, 0.2981, 0.3222



18.7476, 0.1986, 0.2351



1.5407, 0.2029, 0.2504

Inverse Universe

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



47.1319, 0.3314, 0.2775



55.1237, 0.3364, 0.2662



66.1003, 0.3594, 0.3841



14.5424, 0.3181, 0.3123



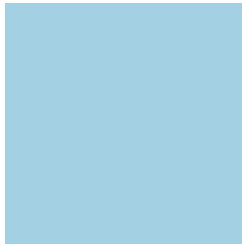
11.0903, 0.4074, 0.2018



0.8352, 0.3918, 0.1932

Previews

White Background



This preview shows how the Yxy color 58.9335, 0.2696, 0.3069 looks on a white background.

Color Contrast Check

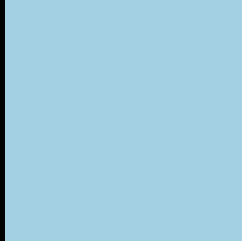
Large Text (above 18pt) WCAG AA × Fail

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 58.9335, 0.2696, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

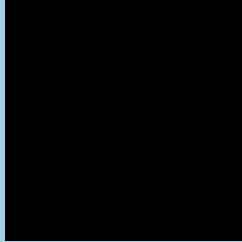
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9335, 0.2696, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 58.9335, 0.2696, 0.3069.



This preview shows how white text looks on a background with the Yxy color 58.9335, 0.2696, 0.3069.

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

58.9335, 0.2696, 0.3069

Protanopia

58.6711, 0.2972, 0.3046

Deuteranopia

58.4584, 0.2970, 0.2905



Tritanopia

58.8784, 0.2702, 0.3081

Trichromacy



Original Color

58.9335, 0.2696, 0.3069

Protanomaly

58.4787, 0.2867, 0.3052

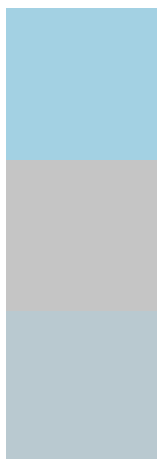
Deuteranomaly

58.5068, 0.2862, 0.2963

Tritanomaly

58.8784, 0.2702, 0.3081

Monochromacy



Original Color

58.9335, 0.2696, 0.3069

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.6416, 0.2957, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9335, 0.2696, 0.3069 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(163, 209, 227)` looks like.

```
.text, #text, p{  
    color:rgb(163, 209, 227)  
}
```

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(163, 209, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 209, 227) }
```

Border

The CSS property to change the border of an element to Yxy 58.9335, 0.2696, 0.3069 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(163, 209, 227) }
```

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

```
.border{ border-color:rgb(163, 209, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 209, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 209, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 209, 227); box-shadow:4px 4px 4px 4px rgb(163, 209, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9335, 0.2696, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 209, 227) }
```

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

```
.background{ background-color: rgb(163,  
209, 227) }
```

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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