

Converting Colors

$Yxy(69.1091, 0.2584, 0.3155)$

Have a look what the booklet for
Yxy(69.1091, 0.2584, 0.3155)
contains.

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Color

Yxy(68.8735, 0.2580, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	96E5F1
RGB	150, 229, 241
RGB Percent	59%, 90%, 95%
CMY	0.4119, 0.1019, 0.0550
CMYK	0.38, 0.05, 0.00, 0.05
HSL	188°, 76%, 77%
HSV	188°, 38%, 95%
XYZ	56.4645, 68.8735, 93.5165
YIQ	206.7470, -50.9360, -13.0160

Conversions

Conversions Part 2

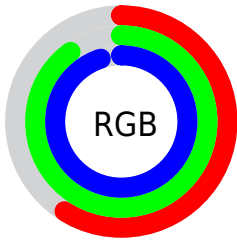
Format	Color
R_{YB}	150, 192, 241
Decimal	9889265
CIE _{Lab}	86.44, -21.24, -13.49
CIE _{LCh}	86, 25.157, 212.421
Y _{xy}	68.8735, 0.2580, 0.3147
Android (android.graphics.Color)	4288079345 (0xFF96E5F1)
YUV	206.7470, 16.8867, -49.7671
Hunter-Lab	82.9901, -23.7855, -8.7173

Details

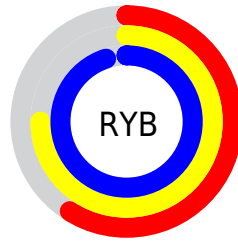
The Yxy color **68.8735, 0.2580, 0.3147** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7081, 0.4010, 0.3426**, and the grayscale version is **62.1341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **35.7696, 0.2454, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **65.0846, 0.2461, 0.3103**, and if you desaturate by 10%, it is **73.1697, 0.2713, 0.3189**.

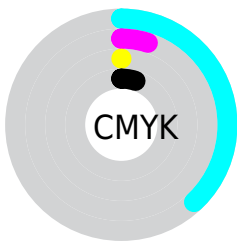
Distribution



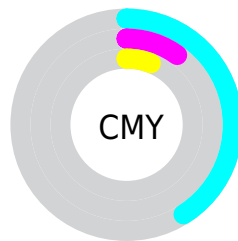
- Red (59%)
- Green (90%)
- Blue (95%)



- Red (59%)
- Yellow (75%)
- Blue (95%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)





- Cyan (41%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8735, 0.2580, 0.3147 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 68.8735, 0.2580, 0.3147 by changing the saturation by 10% instead.

 68.8735, 0.2580,
0.3147

 68.8735, 0.2580,
0.3147


456.5847, 0.2831,
0.3219

 50.6087, 0.2524,
0.3129


 117.6009, 0.2666,
0.3173

 35.8973, 0.2454,
0.3106


 148.8322, 0.2700,
0.3183

 24.3549, 0.2367,
0.3076

185.1546, 0.2729,
0.3191

 15.5971, 0.2255,
0.3036

226.9523, 0.2755,
0.3198

 9.2395, 0.2104,
0.2977

274.6098, 0.2777,
0.3205

 4.8977, 0.1894,
0.2886

328.5114, 0.2797,

 2.1874, 0.1584,

0.3210

0.2731

389.0416, 0.2815,
0.3215

0.7131, 0.0568,
0.2541

0.0000, 0.0000,
0.0000

68.8735, 0.2580,
0.3147

68.8735, 0.2580,
0.3147

65.0846, 0.2461,
0.3103

73.1697, 0.2713,
0.3189

61.7658, 0.2358,
0.3058

77.9919, 0.2856,
0.3228

58.8874, 0.2273,
0.3011

83.3674, 0.3007,
0.3264

56.4125, 0.2208,
0.2964

89.3194, 0.3162,
0.3297

■ 54.2979, 0.2162,
0.2918

■ 92.8220, 0.3217,
0.3328

■ 52.4852, 0.2134,
0.2872

■ 94.7528, 0.3214,
0.3358

■ 52.1028, 0.2128,
0.2862

■ 96.7166, 0.3212,
0.3389

■ 98.7135, 0.3209,
0.3419

■ 99.1294, 0.3209,
0.3425

Harmonies

Analogous

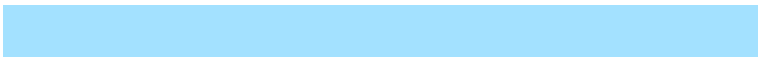
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8735, 0.2744, 0.3441



68.8735, 0.2580, 0.3147



68.8735, 0.2556, 0.2913

Triad

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



68.8735, 0.2580, 0.3147



68.8735, 0.3221, 0.2923



68.8735, 0.3587, 0.3801

Complementary

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



68.8735, 0.2580, 0.3147



46.7081, 0.4010, 0.3426

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.



68.8735, 0.3732, 0.3631



68.8735, 0.2580, 0.3147



68.8735, 0.3516, 0.3133

Square

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



68.8735, 0.2580, 0.3147



68.8735, 0.2913, 0.2800



68.8735, 0.3707, 0.3387



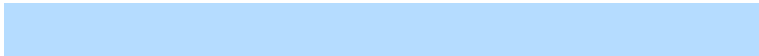
68.8735, 0.3321, 0.3835

Rectangle

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



68.8735, 0.2580, 0.3147



68.8735, 0.2619, 0.2819



68.8735, 0.3707, 0.3387



68.8735, 0.3652, 0.3757

Sweetspot

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



68.8762, 0.2580, 0.3147



92.7336, 0.2957, 0.3253



71.9341, 0.3017, 0.4305



19.6689, 0.2936, 0.3248



0.0000, 0.0000, 0.0000



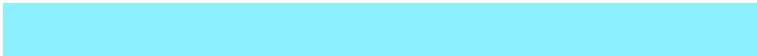
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8762, 0.2580, 0.3147



75.0911, 0.2491, 0.3115



47.4630, 0.2498, 0.2591



17.5539, 0.2981, 0.3258



28.4037, 0.2130, 0.2869



2.4605, 0.2147, 0.2930

Inverse Universe

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



46.1530, 0.3274, 0.2464



46.3759, 0.3309, 0.2312



65.0803, 0.3825, 0.3898



15.9936, 0.3158, 0.3087



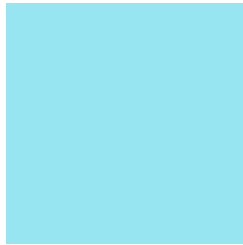
12.6607, 0.3571, 0.1741



1.0631, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 68.8735, 0.2580, 0.3147 looks on a white background.

Color Contrast Check

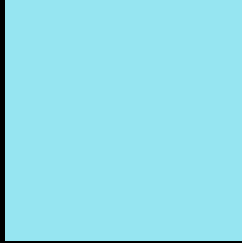
Large Text (above 18pt) WCAG AA × Fail

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 68.8735, 0.2580, 0.3147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

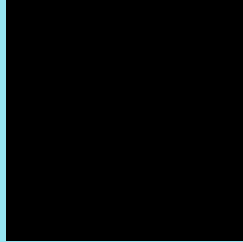
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8735, 0.2580, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 68.8735, 0.2580, 0.3147.

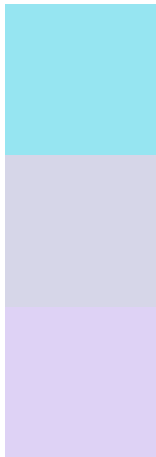


This preview shows how white text looks on a background with the Yxy color 68.8735, 0.2580, 0.3147.

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

68.8735, 0.2580, 0.3147

Protanopia

68.2155, 0.3008, 0.3093

Deuteranopia

68.2154, 0.2980, 0.2918



Tritanopia

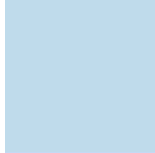
68.7199, 0.2559, 0.3077

Trichromacy



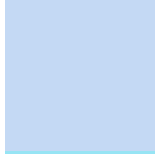
Original Color

68.8735, 0.2580, 0.3147



Protanomaly

67.7376, 0.2836, 0.3108



Deuteranomaly

67.8931, 0.2814, 0.2989



Tritanomaly

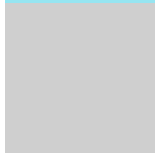
68.5978, 0.2569, 0.3100

Monochromacy



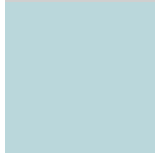
Original Color

68.8735, 0.2580, 0.3147



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.1545, 0.2898, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8735, 0.2580, 0.3147 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(150, 229, 241)` looks like.

```
.text, #text, p{  
    color:rgb(150, 229, 241)  
}
```

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(150, 229, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 229, 241) }
```

Border

The CSS property to change the border of an element to Yxy 68.8735, 0.2580, 0.3147 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(150, 229, 241) }
```

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

```
.border{ border-color:rgb(150, 229, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 229, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 229, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 229, 241);  
box-shadow:4px 4px 4px 4px rgb(150, 229,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8735, 0.2580, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 229, 241) }
```

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

```
.background{ background-color: rgb(150,  
229, 241) }
```

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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