

Converting Colors

$Yxy(68.5075, 0.2607, 0.3105)$

Have a look what the booklet for
Yxy(68.5075, 0.2607, 0.3105)
contains.

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Color

Yxy(68.5773, 0.2603, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	9DE3F3
RGB	157, 227, 243
RGB Percent	62%, 89%, 95%
CMY	0.3840, 0.1099, 0.0470
CMYK	0.35, 0.07, 0.00, 0.05
HSL	191°, 78%, 78%
HSV	191°, 35%, 95%
XYZ	57.5642, 68.5773, 95.0042
YIQ	207.8940, -46.8560, -9.8640

Conversions

Conversions Part 2

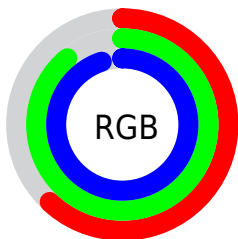
Format	Color
R _Y B	157, 196, 243
Decimal	10347507
CIE Lab	86.29, -17.89, -14.74
CIE LCh	86, 23.183, 219.493
Yxy	68.5773, 0.2603, 0.3101
Android (android.graphics.Color)	4288537587 (0xFF9DE3F3)
YUV	207.8940, 17.3073, -44.6340
Hunter-Lab	82.8114, -20.8402, -10.0516

Details

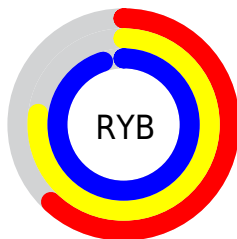
The Yxy color **68.5773, 0.2603, 0.3101** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.4223, 0.3914, 0.3469**, and the grayscale version is **62.9256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **35.9177, 0.2485, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **63.9261, 0.2475, 0.3039**, and if you desaturate by 10%, it is **73.7853, 0.2743, 0.3160**.

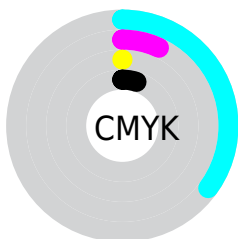
Distribution



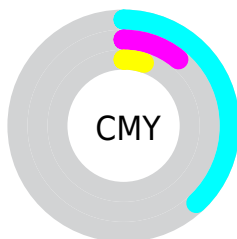
- Red (62%)
- Green (89%)
- Blue (95%)



- Red (62%)
- Yellow (77%)
- Blue (95%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)





- Cyan (38%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5773, 0.2603, 0.3101 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 68.5773, 0.2603, 0.3101 by changing the saturation by 10% instead.


 68.5773, 0.2603,
0.3101


 68.5773, 0.2603,
0.3101

455.5387, 0.2843,
0.3194

 50.3675, 0.2549,
0.3079


 117.1776, 0.2686,
0.3134

 35.7055, 0.2482,
0.3050


 148.3370, 0.2718,
0.3147

 24.2068, 0.2398,
0.3013


184.5817, 0.2746,
0.3158

 15.4871, 0.2290,
0.2963

226.2961, 0.2771,
0.3167

 9.1620, 0.2146,
0.2893

273.8646, 0.2792,
0.3175

 4.8470, 0.1943,
0.2786

327.6716, 0.2811,

 2.1578, 0.1642,

0.3182

0.2610

388.1015, 0.2828,
0.3188

0.6968, 0.0760,
0.2346

0.0000, 0.0000,
0.0000

68.5773, 0.2603,
0.3101

68.5773, 0.2603,
0.3101

63.9261, 0.2475,
0.3039

73.7853, 0.2743,
0.3160

59.7942, 0.2361,
0.2973

79.5691, 0.2891,
0.3215

56.1517, 0.2264,
0.2906

85.9564, 0.3044,
0.3265

52.9620, 0.2186,
0.2838

92.9710, 0.3199,
0.3311

■ 50.1824, 0.2128,
0.2769

■ 95.8828, 0.3201,
0.3354

■ 47.7604, 0.2089,
0.2702

■ 98.7277, 0.3197,
0.3397

■ 46.7211, 0.2075,
0.2671

■ 99.2517, 0.3197,
0.3405

Harmonies

Analogous

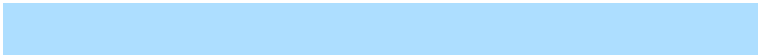
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5773, 0.2727, 0.3365



68.5773, 0.2603, 0.3101



68.5773, 0.2612, 0.2906

Triad

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



68.5773, 0.2603, 0.3101



68.5773, 0.3283, 0.2990



68.5773, 0.3502, 0.3782

Complementary

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



68.5773, 0.2603, 0.3101



51.4223, 0.3914, 0.3469

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.



68.5773, 0.3667, 0.3652



68.5773, 0.2603, 0.3101



68.5773, 0.3539, 0.3199

Square

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



68.5773, 0.2603, 0.3101



68.5773, 0.2994, 0.2854



68.5773, 0.3682, 0.3438



68.5773, 0.3241, 0.3776

Rectangle

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



68.5773, 0.2603, 0.3101



68.5773, 0.2692, 0.2836



68.5773, 0.3682, 0.3438



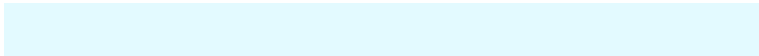
68.5773, 0.3571, 0.3752

Sweetspot

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



68.5800, 0.2603, 0.3101



91.7708, 0.2957, 0.3237



74.2952, 0.2993, 0.4156



19.4381, 0.2936, 0.3230



0.0000, 0.0000, 0.0000



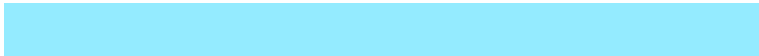
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5800, 0.2603, 0.3101



72.9398, 0.2515, 0.3059



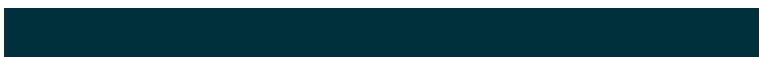
48.0519, 0.2530, 0.2570



18.2016, 0.2980, 0.3245



25.8261, 0.2078, 0.2682



2.4027, 0.2102, 0.2766

Inverse Universe

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



48.7447, 0.3304, 0.2560



48.4083, 0.3346, 0.2424



70.5037, 0.3752, 0.3916



16.7122, 0.3167, 0.3100



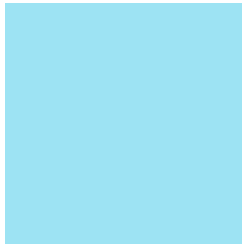
12.7065, 0.3746, 0.1837



1.1302, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 68.5773, 0.2603, 0.3101 looks on a white background.

Color Contrast Check

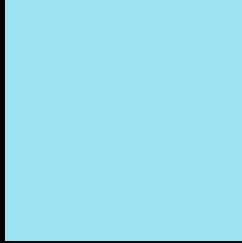
Large Text (above 18pt) WCAG AA × Fail

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 68.5773, 0.2603, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

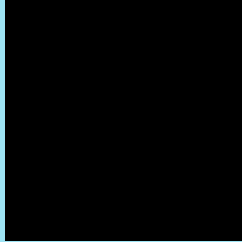
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5773, 0.2603, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 68.5773, 0.2603, 0.3101.

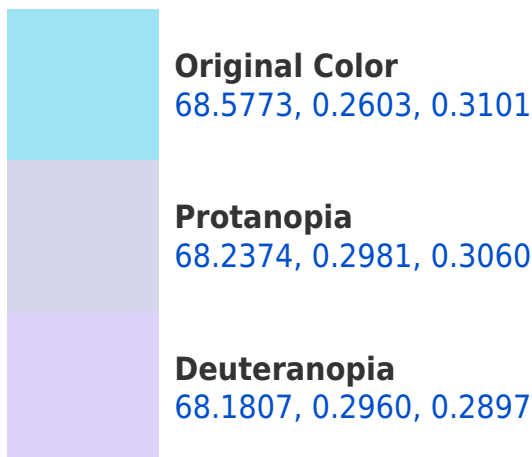


This preview shows how white text looks on a background with the Yxy color 68.5773, 0.2603, 0.3101.

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





Tritanopia

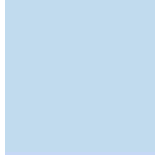
68.7998, 0.2598, 0.3079

Trichromacy



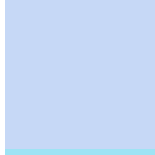
Original Color

68.5773, 0.2603, 0.3101



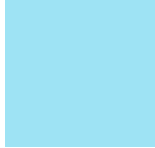
Protanomaly

68.1735, 0.2831, 0.3075



Deuteranomaly

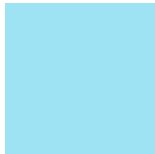
67.7713, 0.2814, 0.2958



Tritanomaly

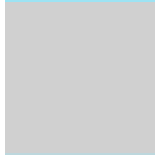
68.7389, 0.2603, 0.3090

Monochromacy



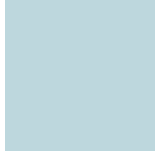
Original Color

68.5773, 0.2603, 0.3101



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.6402, 0.2905, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5773, 0.2603, 0.3101 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(157, 227, 243)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 243)  
}
```

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(157, 227, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 243) }
```

Border

The CSS property to change the border of an element to Yxy 68.5773, 0.2603, 0.3101 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(157, 227, 243) }
```

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

```
.border{ border-color:rgb(157, 227, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 227, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 227, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 227, 243);  
box-shadow:4px 4px 4px 4px rgb(157, 227,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5773, 0.2603, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 243) }
```

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

```
.background{ background-color: rgb(157,  
227, 243) }
```

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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