

Converting Colors

$Yxy(67.7735, 0.2673, 0.3100)$

Have a look what the booklet for
Yxy(67.7735, 0.2673, 0.3100)
contains.

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Color

Yxy(67.9274, 0.2674, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	A8E0F0
RGB	168, 224, 240
RGB Percent	66%, 88%, 94%
CMY	0.3410, 0.1216, 0.0589
CMYK	0.30, 0.07, 0.00, 0.06
HSL	193°, 71%, 80%
HSV	193°, 30%, 94%
XYZ	58.5362, 67.9274, 92.4452
YIQ	209.0800, -38.5120, -6.8960

Conversions

Conversions Part 2

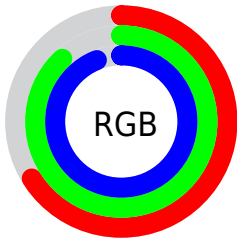
Format	Color
R _{YB}	168, 200, 240
Decimal	11067632
CIE Lab	85.97, -14.13, -13.57
CIE LCh	86, 19.588, 223.854
Yxy	67.9274, 0.2674, 0.3103
Android (android.graphics.Color)	4289257712 (0xFFA8E0F0)
YUV	209.0800, 15.2436, -36.0272
Hunter-Lab	82.4181, -17.4547, -8.8107

Details

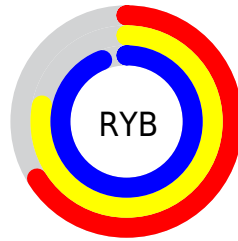
The Yxy color **67.9274, 0.2674, 0.3103** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6417, 0.3749, 0.3468**, and the grayscale version is **63.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **35.4140, 0.2571, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **62.7131, 0.2536, 0.3030**, and if you desaturate by 10%, it is **73.7230, 0.2821, 0.3171**.

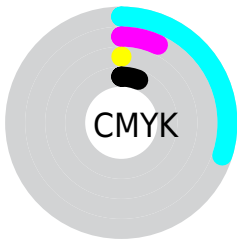
Distribution



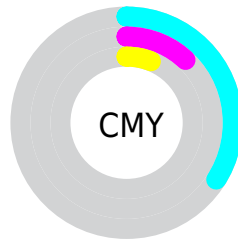
- Red (66%)
- Green (88%)
- Blue (94%)



- Red (66%)
- Yellow (78%)
- Blue (94%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (34%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9274, 0.2674, 0.3103 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 67.9274, 0.2674, 0.3103 by changing the saturation by 10% instead.

67.9274, 0.2674,
0.3103

67.9274, 0.2674,
0.3103

453.2387, 0.2883,
0.3194

49.8387, 0.2627,
0.3081

116.2483, 0.2746,
0.3135

35.2852, 0.2568,
0.3054

147.2492, 0.2774,
0.3148

23.8827, 0.2495,
0.3018

183.3230, 0.2799,
0.3158

15.2466, 0.2399,
0.2971

224.8541, 0.2820,
0.3167

8.9926, 0.2270,
0.2904

272.2268, 0.2838,
0.3175

4.7364, 0.2087,
0.2802

325.8255, 0.2855,

2.0934, 0.1811,

0.3182

0.2635

386.0347, 0.2870,
0.3188

0.6609, 0.1013,
0.2362

0.0000, 0.0000,
0.0000

67.9274, 0.2674,
0.3103

67.9274, 0.2674,
0.3103

62.7131, 0.2536,
0.3030

73.7230, 0.2821,
0.3171

58.0444, 0.2410,
0.2953

80.1174, 0.2973,
0.3233

53.8939, 0.2299,
0.2873

87.1370, 0.3128,
0.3290

50.2279, 0.2205,
0.2791

93.0497, 0.3222,
0.3342

■ 47.0082, 0.2132,
0.2709

■ 96.3276, 0.3218,
0.3393

■ 44.1895, 0.2078,
0.2626

■ 99.0699, 0.3215,
0.3435

■ 41.6958, 0.2040,
0.2545

■ 41.6896, 0.2040,
0.2545

Harmonies

Analogous

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



67.9274, 0.2765, 0.3322



67.9274, 0.2674, 0.3103



67.9274, 0.2699, 0.2947

Triad

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



67.9274, 0.2674, 0.3103



67.9274, 0.3295, 0.3057



67.9274, 0.3418, 0.3714

Complementary

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



67.9274, 0.2674, 0.3103



55.6417, 0.3749, 0.3468

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.



67.9274, 0.3571, 0.3621



67.9274, 0.2674, 0.3103



67.9274, 0.3500, 0.3243

Square

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



67.9274, 0.2674, 0.3103



67.9274, 0.3050, 0.2929



67.9274, 0.3603, 0.3447



67.9274, 0.3190, 0.3687

Rectangle

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



67.9274, 0.2674, 0.3103



67.9274, 0.2778, 0.2896



67.9274, 0.3603, 0.3447



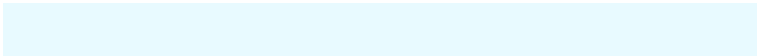
67.9274, 0.3480, 0.3695

Sweetspot

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



67.9301, 0.2674, 0.3103



92.6944, 0.2988, 0.3239



74.0819, 0.2999, 0.3972



19.5995, 0.2965, 0.3230



0.0000, 0.0000, 0.0000



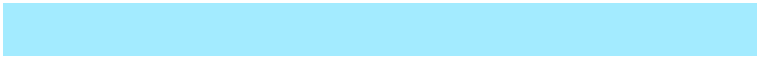
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9301, 0.2674, 0.3103



74.2196, 0.2588, 0.3059



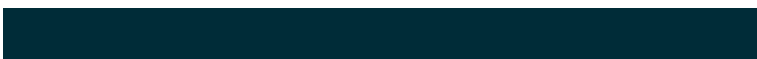
50.7689, 0.2625, 0.2668



17.2985, 0.2981, 0.3236



23.0331, 0.2044, 0.2558



2.0610, 0.2074, 0.2666

Inverse Universe

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



51.9254, 0.3293, 0.2697



53.5009, 0.3336, 0.2575



72.3251, 0.3638, 0.3842



15.9678, 0.3172, 0.3108



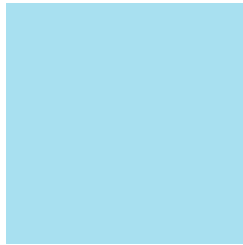
12.1186, 0.3865, 0.1903



1.0228, 0.3761, 0.1846

Previews

White Background



This preview shows how the Yxy color 67.9274, 0.2674, 0.3103 looks on a white background.

Color Contrast Check

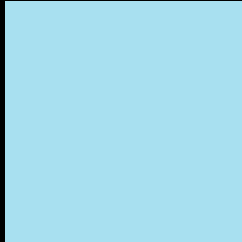
Large Text (above 18pt) WCAG AA × Fail

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 67.9274, 0.2674, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

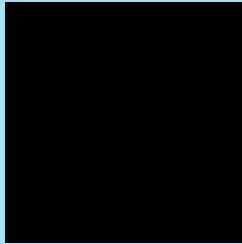
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9274, 0.2674, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 67.9274, 0.2674, 0.3103.

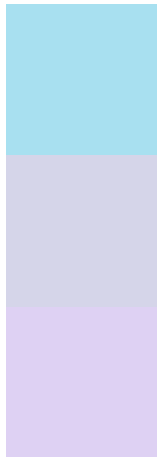


This preview shows how white text looks on a background with the Yxy color 67.9274, 0.2674, 0.3103.

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

67.9274, 0.2674, 0.3103

Protanopia

67.6178, 0.2994, 0.3070

Deuteranopia

67.6016, 0.2993, 0.2928



Tritanopia

68.0469, 0.2663, 0.3080

Trichromacy



Original Color

67.9274, 0.2674, 0.3103

Protanomaly

67.5522, 0.2868, 0.3076

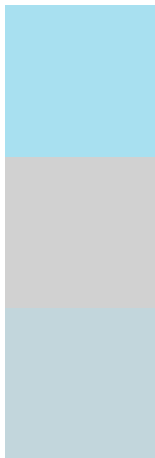
Deuteranomaly

67.0605, 0.2863, 0.2980

Tritanomaly

67.9870, 0.2668, 0.3091

Monochromacy



Original Color

67.9274, 0.2674, 0.3103

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7298, 0.2946, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9274, 0.2674, 0.3103 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, 224, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 224, 240)  
}
```

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, 224, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 224, 240) }
```

Border

The CSS property to change the border of an element to Yxy 67.9274, 0.2674, 0.3103 is called "border". The border property can be set on classes, ids or directly on the HTML element.

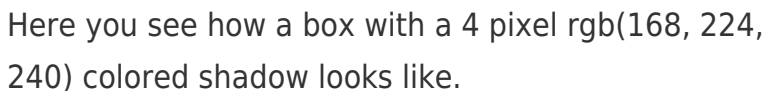
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 224, 240) }
```

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

```
.border{ border-color:rgb(168, 224, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 224, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 224, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 224, 240); box-shadow:4px 4px 4px 4px rgb(168, 224, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9274, 0.2674, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 224, 240) }
```

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

```
.background{ background-color: rgb(168,  
224, 240) }
```

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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