

# Converting Colors

$Yxy(68.9929, 0.2685, 0.3207)$

Have a look what the booklet for  
Yxy(68.9929, 0.2685, 0.3207)  
contains.

<b>Yxy(68.7712, 0.2687, 0.3206)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.7712, 0.2687, 0.3206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E3EA
RGB	164, 227, 234
RGB Percent	64%, 89%, 92%
CMY	0.3567, 0.1098, 0.0822
CMYK	0.30, 0.03, 0.00, 0.08
HSL	186°, 63%, 78%
HSV	186°, 30%, 92%
XYZ	57.6382, 68.7712, 88.0984
YIQ	208.9610, -39.7950, -11.1790

# Conversions

## Conversions Part 2

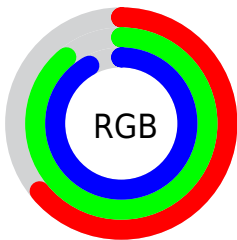
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 197, 234
Decimal	10806250
CIELab	86.39, -18.12, -9.83
CIELCh	86, 20.618, 208.474
Yxy	68.7712, 0.2687, 0.3206
Android (android.graphics.Color)	4288996330 (0xFFA4E3EA)
YUV	208.9610, 12.3442, -39.4308
Hunter-Lab	82.9284, -21.0607, -4.9364

# Details

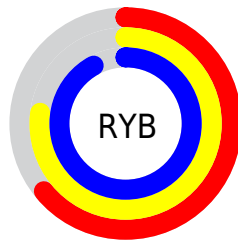
The Yxy color **68.7712, 0.2687, 0.3206** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3306, 0.3774, 0.3372**, and the grayscale version is **63.6780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.0344, 0.2591, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **65.2306, 0.2560, 0.3174**, and if you desaturate by 10%, it is **72.7930, 0.2826, 0.3236**.

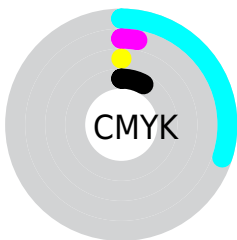
# Distribution



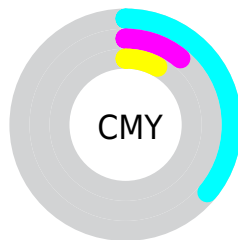
- Red (64%)
- Green (89%)
- Blue (92%)



- Red (64%)
- Yellow (77%)
- Blue (92%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)




- Cyan (36%)
- Magenta (11%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7712, 0.2687, 0.3206 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 68.7712, 0.2687, 0.3206 by changing the saturation by 10% instead.




 68.7712, 0.2687,  
0.3206

 68.7712, 0.2687,  
0.3206


456.2236, 0.2890,  
0.3249

 50.5254, 0.2641,  
0.3195


 117.4547, 0.2757,  
0.3222

 35.8310, 0.2584,  
0.3182


 148.6612, 0.2785,  
0.3227

 24.3037, 0.2513,  
0.3163


184.9568, 0.2808,  
0.3232

 15.5591, 0.2420,  
0.3138

226.7257, 0.2829,  
0.3237

 9.2127, 0.2294,  
0.3102

274.3525, 0.2847,  
0.3240

 4.8802, 0.2115,  
0.3044

328.2214, 0.2863,

 2.1771, 0.1844,

0.3244

0.2944

388.7170, 0.2877,  
0.3246

0.7075, 0.0926,  
0.2848

0.0000, 0.0000,  
0.0000

68.7712, 0.2687,  
0.3206

68.7712, 0.2687,  
0.3206

65.2306, 0.2560,  
0.3174

72.7930, 0.2826,  
0.3236

62.1378, 0.2447,  
0.3140

77.3111, 0.2975,  
0.3264

59.4678, 0.2352,  
0.3106

82.3500, 0.3129,  
0.3290

57.1898, 0.2275,  
0.3071

87.4245, 0.3268,  
0.3314

■ 55.2687, 0.2218,  
0.3036

■ 88.7907, 0.3265,  
0.3337

■ 53.6626, 0.2180,  
0.3001

■ 90.1748, 0.3263,  
0.3360

■ 52.3008, 0.2158,  
0.2967

■ 91.5768, 0.3261,  
0.3382

■ 52.2887, 0.2157,  
0.2966

■ 92.9969, 0.3258,  
0.3405

■ 94.4351, 0.3256,  
0.3428

# Harmonies

## Analogous

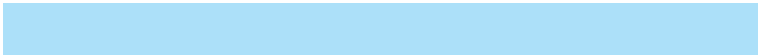
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.7712, 0.2837, 0.3446



68.7712, 0.2687, 0.3206



68.7712, 0.2650, 0.3003

# Triad

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



68.7712, 0.2687, 0.3206



68.7712, 0.3172, 0.2968



68.7712, 0.3528, 0.3698

# Complementary

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



68.7712, 0.2687, 0.3206



49.3306, 0.3774, 0.3372

# 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.



68.7712, 0.3628, 0.3550



68.7712, 0.2687, 0.3206



68.7712, 0.3418, 0.3136

# Square

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



68.7712, 0.2687, 0.3206



68.7712, 0.2922, 0.2878



68.7712, 0.3588, 0.3345



68.7712, 0.3321, 0.3738

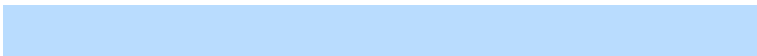


# Rectangle

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



68.7712, 0.2687, 0.3206



68.7712, 0.2693, 0.2914



68.7712, 0.3588, 0.3345



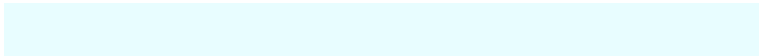
68.7712, 0.3575, 0.3658

# Sweetspot

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



68.7740, 0.2687, 0.3206



94.4416, 0.2988, 0.3267



69.6996, 0.3046, 0.4075



20.0326, 0.2966, 0.3263



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.



68.7740, 0.2687, 0.3206



80.8028, 0.2606, 0.3186



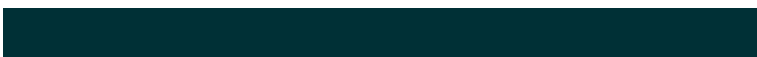
51.5520, 0.2639, 0.2774



16.8481, 0.2981, 0.3266



29.4820, 0.2159, 0.2972



2.3899, 0.2172, 0.3020



# Inverse Universe

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



49.6066, 0.3220, 0.2615



54.1655, 0.3243, 0.2475



64.3365, 0.3661, 0.3756



15.2862, 0.3153, 0.3081



12.4690, 0.3479, 0.1690

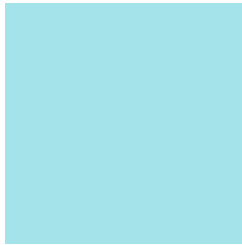


0.9867, 0.3437, 0.1667



# Previews

## White Background



This preview shows how the Yxy color 68.7712, 0.2687, 0.3206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

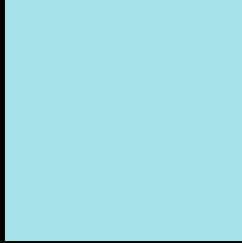
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7712, 0.2687, 0.3206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

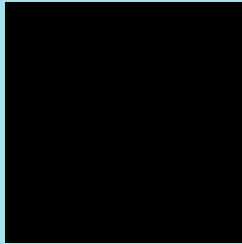
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.7712, 0.2687, 0.3206**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7712, 0.2687, 0.3206.

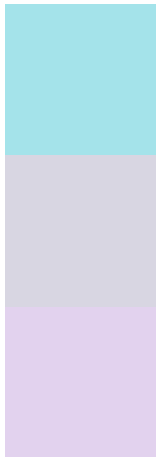


This preview shows how white text looks on a background with the Yxy color 68.7712, 0.2687, 0.3206.

# 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

68.7712, 0.2687, 0.3206

### Protanopia

68.1831, 0.3061, 0.3158

### Deuteranopia

68.4350, 0.3054, 0.2992



## Tritanopia

68.4891, 0.2643, 0.3069

# Trichromacy



**Original Color**

68.7712, 0.2687, 0.3206

**Protanomaly**

68.1905, 0.2911, 0.3176

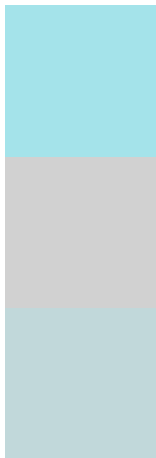
**Deuteranomaly**

67.9227, 0.2901, 0.3056

**Tritanomaly**

68.6833, 0.2660, 0.3126

# Monochromacy



**Original Color**

68.7712, 0.2687, 0.3206

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

65.5111, 0.2952, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7712, 0.2687, 0.3206 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(164, 227, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 234)  
}
```

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(164, 227, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7712, 0.2687, 0.3206 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(164, 227, 234) }
```

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

```
.border{ border-color:rgb(164, 227, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7712, 0.2687, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 234) }
```

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

```
.background{ background-color: rgb(164,  
227, 234) }
```

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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