

# Converting Colors

$Yxy(60.4594, 0.2730, 0.3096)$

Have a look what the booklet for  
Yxy(60.4594, 0.2730, 0.3096)  
contains.

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# Color

**Yxy(60.4594, 0.2730, 0.3096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8D3E3
RGB	168, 211, 227
RGB Percent	66%, 83%, 89%
CMY	0.3410, 0.1726, 0.1099
CMYK	0.26, 0.07, 0.00, 0.11
HSL	196°, 51%, 77%
HSV	196°, 26%, 89%
XYZ	53.3121, 60.4594, 81.5108
YIQ	199.9670, -30.7640, -4.1400

# Conversions

## Conversions Part 2

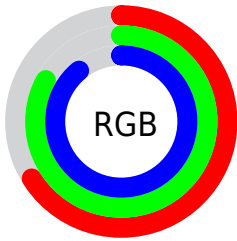
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 193, 227
Decimal	11064291
CIELab	82.09, -10.44, -12.48
CIElCh	82, 16.274, 230.094
Yxy	60.4594, 0.2730, 0.3096
Android (android.graphics.Color)	4289254371 (0xFFA8D3E3)
YUV	199.9670, 13.3273, -28.0351
Hunter-Lab	77.7556, -13.6863, -7.7244

# Details

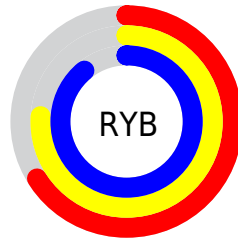
The Yxy color **60.4594, 0.2730, 0.3096** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4465, 0.3634, 0.3476**, and the grayscale version is **57.6740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **30.3329, 0.2625, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **55.1841, 0.2584, 0.3009**, and if you desaturate by 10%, it is **66.2914, 0.2881, 0.3176**.

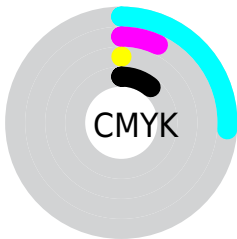
# Distribution



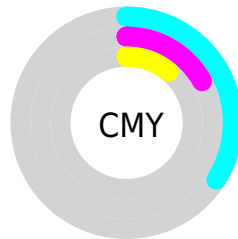
- Red (66%)
- Green (83%)
- Blue (89%)



- Red (66%)
- Yellow (76%)
- Blue (89%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)




- Cyan (34%)
- Magenta (17%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4594, 0.2730, 0.3096 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 60.4594, 0.2730, 0.3096 by changing the saturation by 10% instead.



 60.4594, 0.2730,  
0.3096


 60.4594, 0.2730,  
0.3096


426.2890, 0.2917,  
0.3191

 43.7890, 0.2686,  
0.3073


 105.4958, 0.2796,  
0.3130

 30.5047, 0.2632,  
0.3044


 134.6306, 0.2821,  
0.3143

 20.2220, 0.2563,  
0.3006


168.6890, 0.2843,  
0.3154

 12.5565, 0.2471,  
0.2954

208.0555, 0.2862,  
0.3163

 7.1239, 0.2344,  
0.2880

253.1143, 0.2878,  
0.3172

 3.5397, 0.2158,  
0.2766

304.2499, 0.2893,

 1.4196, 0.1863,

0.3179

0.2570

361.8467, 0.2906,  
0.3185

0.2311, 0.0000,  
0.1694

0.0000, 0.0000,  
0.0000

60.4594, 0.2730,  
0.3096

60.4594, 0.2730,  
0.3096

55.1841, 0.2584,  
0.3009

66.2914, 0.2881,  
0.3176

50.4344, 0.2448,  
0.2917

72.6951, 0.3035,  
0.3250

46.1868, 0.2324,  
0.2819

79.6936, 0.3189,  
0.3316

42.4126, 0.2217,  
0.2719

86.5714, 0.3314,  
0.3376

■ 39.0797, 0.2127,  
0.2616

■ 90.1684, 0.3307,  
0.3436

■ 36.1509, 0.2058,  
0.2514

■ 93.8886, 0.3300,  
0.3495

■ 33.5803, 0.2009,  
0.2412

■ 97.7332, 0.3293,  
0.3553

■ 32.6123, 0.1992,  
0.2372

■ 98.3244, 0.3292,  
0.3562

# Harmonies

## Analogous

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



60.4594, 0.2789, 0.3277



60.4594, 0.2730, 0.3096



60.4594, 0.2773, 0.2976

# Triad

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



60.4594, 0.2730, 0.3096



60.4594, 0.3314, 0.3119



60.4594, 0.3342, 0.3659

# Complementary

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



60.4594, 0.2730, 0.3096



53.4465, 0.3634, 0.3476

# 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.



60.4594, 0.3491, 0.3601



60.4594, 0.2730, 0.3096



60.4594, 0.3476, 0.3288

# Square

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



60.4594, 0.2730, 0.3096



60.4594, 0.3105, 0.2994



60.4594, 0.3541, 0.3463



60.4594, 0.3138, 0.3613



# Rectangle

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



60.4594, 0.2730, 0.3096



60.4594, 0.2854, 0.2943



60.4594, 0.3541, 0.3463



60.4594, 0.3400, 0.3651

# Sweetspot

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



60.4618, 0.2730, 0.3096



92.8560, 0.3003, 0.3235



66.7033, 0.2998, 0.3827



19.5995, 0.2980, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

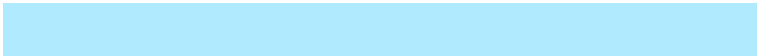


# Same Dimension

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



60.4618, 0.2730, 0.3096



75.0446, 0.2653, 0.3051



47.2485, 0.2696, 0.2727



15.6407, 0.2981, 0.3225



19.2281, 0.1996, 0.2387



1.5730, 0.2037, 0.2534



# Inverse Universe

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



49.0532, 0.3291, 0.2810



58.2068, 0.3332, 0.2711



66.8558, 0.3554, 0.3796



14.5450, 0.3179, 0.3120



11.1388, 0.4036, 0.1997

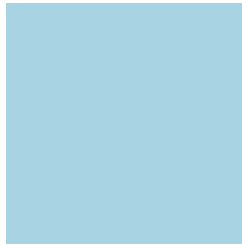


0.8385, 0.3888, 0.1916



# Previews

## White Background



This preview shows how the Yxy color 60.4594, 0.2730, 0.3096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

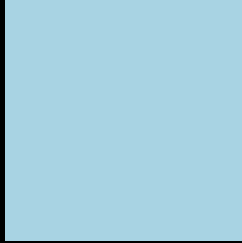
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4594, 0.2730, 0.3096 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

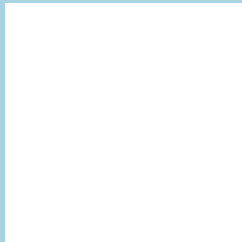
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4594, 0.2730, 0.3096**

## Background



This preview shows how black text looks on a background with the Yxy color 60.4594, 0.2730, 0.3096.



This preview shows how white text looks on a background with the Yxy color 60.4594, 0.2730, 0.3096.

# 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

60.4594, 0.2730, 0.3096

### Protanopia

60.0181, 0.2995, 0.3071

### Deuteranopia

59.9502, 0.3000, 0.2932



## Tritanopia

60.5148, 0.2724, 0.3084

# Trichromacy



**Original Color**

60.4594, 0.2730, 0.3096

**Protanomaly**

59.9375, 0.2896, 0.3078

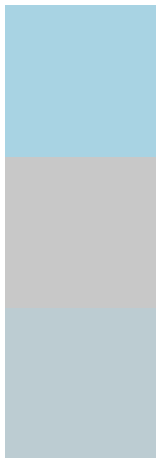
**Deuteranomaly**

59.9711, 0.2891, 0.2989

**Tritanomaly**

60.5148, 0.2724, 0.3084

# Monochromacy



**Original Color**

60.4594, 0.2730, 0.3096

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

58.5302, 0.2966, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4594, 0.2730, 0.3096 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, 211, 227)` looks like.

```
.text, #text, p{  
    color:rgb(168, 211, 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(168, 211, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 211, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4594, 0.2730, 0.3096 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, 211, 227) }
```

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

```
.border{ border-color:rgb(168, 211, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 211, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 211, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 211, 227);  
box-shadow:4px 4px 4px 4px rgb(168, 211,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4594, 0.2730, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 211, 227) }
```

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

```
.background{ background-color: rgb(168,  
211, 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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