

Converting Colors

Yxy(68.1444, 0.2668, 0.3146)

Have a look what the booklet for
Yxy(68.1444, 0.2668, 0.3146)
contains.

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Color

Yxy(67.9160, 0.2663, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	A4E1EE
RGB	164, 225, 238
RGB Percent	64%, 88%, 93%
CMY	0.3568, 0.1176, 0.0665
CMYK	0.31, 0.05, 0.00, 0.07
HSL	191°, 69%, 79%
HSV	191°, 31%, 93%
XYZ	57.6723, 67.9160, 90.9806
YIQ	208.2430, -40.5290, -8.8890

Conversions

Conversions Part 2

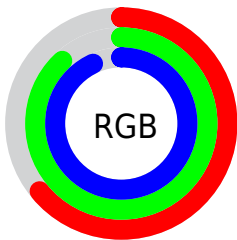
Format	Color
RYB	164, 197, 238
Decimal	10805742
CIELab	85.96, -16.20, -12.58
CIElCh	86, 20.511, 217.815
Yxy	67.9160, 0.2663, 0.3136
Android (android.graphics.Color)	4288995822 (0xFFA4E1EE)
YUV	208.2430, 14.6702, -38.8011
Hunter-Lab	82.4112, -19.3032, -7.7674

Details

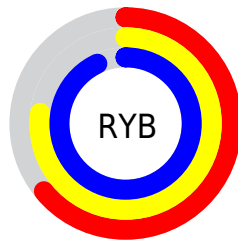
The Yxy color **67.9160, 0.2663, 0.3136** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.3241, 0.3791, 0.3438**, and the grayscale version is **63.1688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.3781, 0.2554, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **63.3805, 0.2530, 0.3079**, and if you desaturate by 10%, it is **72.9864, 0.2806, 0.3190**.

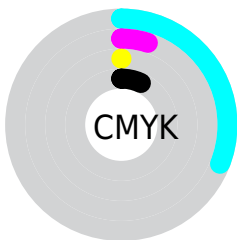
Distribution



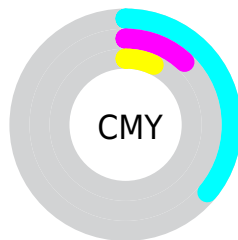
- Red (64%)
- Green (88%)
- Blue (93%)



- Red (64%)
- Yellow (77%)
- Blue (93%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)





- Cyan (36%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9160, 0.2663, 0.3136 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 67.9160, 0.2663, 0.3136 by changing the saturation by 10% instead.


 67.9160, 0.2663,
0.3136


 67.9160, 0.2663,
0.3136


453.1983, 0.2877,
0.3212

 49.8294, 0.2614,
0.3118


 116.2320, 0.2737,
0.3163

 35.2779, 0.2555,
0.3094


 147.2301, 0.2766,
0.3174

 23.8770, 0.2479,
0.3064


183.3009, 0.2791,
0.3182

 15.2424, 0.2381,
0.3023

224.8288, 0.2812,
0.3190

 8.9897, 0.2249,
0.2964

272.1980, 0.2831,
0.3196

 4.7345, 0.2062,
0.2875

325.7931, 0.2848,

 2.0923, 0.1779,

0.3202

385.9984, 0.2863,
0.3207

0.2725

0.6603, 0.0879,
0.2502

0.0000, 0.0000,
0.0000

67.9160, 0.2663,
0.3136

67.9160, 0.2663,
0.3136

63.3805, 0.2530,
0.3079

72.9864, 0.2806,
0.3190

59.3450, 0.2411,
0.3018

78.6085, 0.2956,
0.3240

55.7826, 0.2308,
0.2956

84.8081, 0.3110,
0.3285

52.6604, 0.2224,
0.2892

90.7971, 0.3237,
0.3327

■ 49.9408, 0.2159,
0.2828

■ 93.3170, 0.3234,
0.3367

■ 47.5786, 0.2113,
0.2764

■ 95.8945, 0.3230,
0.3407

■ 45.7115, 0.2086,
0.2708

■ 98.5298, 0.3227,
0.3447

■ 98.9548, 0.3226,
0.3454

Harmonies

Analogous

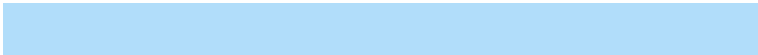
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9160, 0.2780, 0.3371



67.9160, 0.2663, 0.3136



67.9160, 0.2664, 0.2957

Triad

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



67.9160, 0.2663, 0.3136



67.9160, 0.3252, 0.3014



67.9160, 0.3472, 0.3723

Complementary

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



67.9160, 0.2663, 0.3136



52.3241, 0.3791, 0.3438

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.



67.9160, 0.3610, 0.3605



67.9160, 0.2663, 0.3136



67.9160, 0.3482, 0.3199

Square

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



67.9160, 0.2663, 0.3136



67.9160, 0.2996, 0.2896



67.9160, 0.3615, 0.3412



67.9160, 0.3244, 0.3723

Rectangle

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



67.9160, 0.2663, 0.3136



67.9160, 0.2731, 0.2889



67.9160, 0.3615, 0.3412



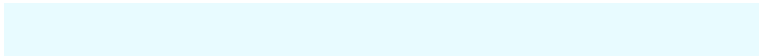
67.9160, 0.3531, 0.3695

Sweetspot

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



67.9187, 0.2663, 0.3136



93.3534, 0.2988, 0.3249



72.2088, 0.3015, 0.4049



19.7627, 0.2965, 0.3243



0.0000, 0.0000, 0.0000



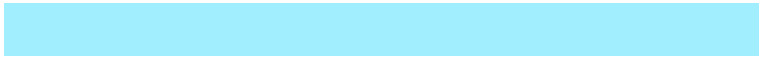
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9187, 0.2663, 0.3136



76.1371, 0.2581, 0.3102



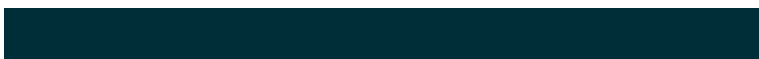
50.3281, 0.2610, 0.2688



17.4278, 0.2981, 0.3247



25.6667, 0.2088, 0.2718



2.2580, 0.2112, 0.2801

Inverse Universe

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



50.1736, 0.3271, 0.2641



52.8236, 0.3306, 0.2516



68.6316, 0.3671, 0.3826



15.9809, 0.3165, 0.3098



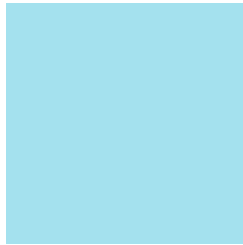
12.3844, 0.3711, 0.1818



1.0427, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 67.9160, 0.2663, 0.3136 looks on a white background.

Color Contrast Check

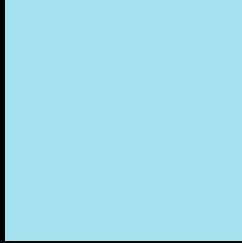
Large Text (above 18pt) WCAG AA × Fail

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 67.9160, 0.2663, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

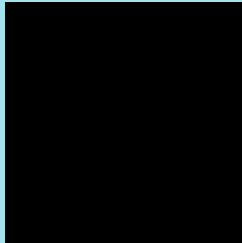
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9160, 0.2663, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 67.9160, 0.2663, 0.3136.

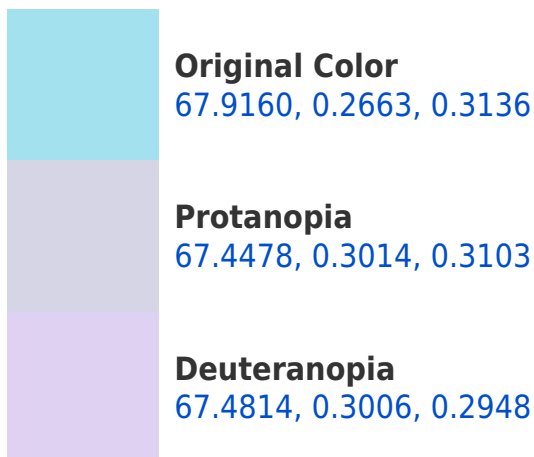


This preview shows how white text looks on a background with the Yxy color 67.9160, 0.2663, 0.3136.

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

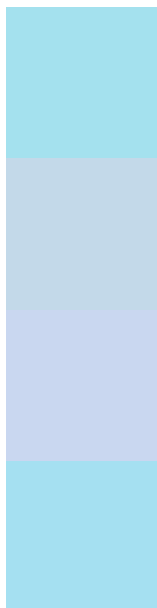




Tritanopia

67.7214, 0.2646, 0.3079

Trichromacy



Original Color

67.9160, 0.2663, 0.3136

Protanomaly

67.1110, 0.2873, 0.3108

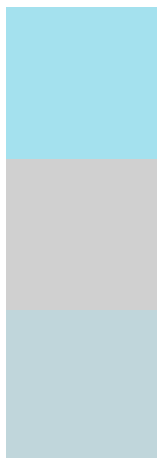
Deuteranomaly

67.3097, 0.2869, 0.3012

Tritanomaly

67.6615, 0.2652, 0.3091

Monochromacy



Original Color

67.9160, 0.2663, 0.3136

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.4141, 0.2938, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9160, 0.2663, 0.3136 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, 225, 238)` looks like.

```
.text, #text, p{  
    color:rgb(164, 225, 238)  
}
```

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, 225, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 225, 238) }
```

Border

The CSS property to change the border of an element to Yxy 67.9160, 0.2663, 0.3136 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, 225, 238) }
```

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

```
.border{ border-color:rgb(164, 225, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 225, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 225, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 225, 238);  
box-shadow:4px 4px 4px 4px rgb(164, 225,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9160, 0.2663, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 225, 238) }
```

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

```
.background{ background-color: rgb(164,  
225, 238) }
```

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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