

Converting Colors

$Yxy(69.7374, 0.2764, 0.3217)$

Have a look what the booklet for
Yxy(69.7374, 0.2764, 0.3217)
contains.

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Color

Yxy(69.5060, 0.2760, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	B0E2E9
RGB	176, 226, 233
RGB Percent	69%, 89%, 91%
CMY	0.3100, 0.1137, 0.0862
CMYK	0.24, 0.03, 0.00, 0.09
HSL	187°, 56%, 80%
HSV	187°, 24%, 91%
XYZ	59.7994, 69.5060, 87.3592
YIQ	211.8480, -32.0470, -8.4230

Conversions

Conversions Part 2

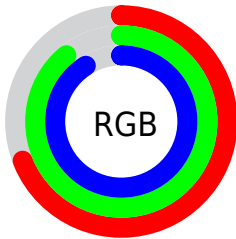
Format	Color
R _Y B	176, 203, 233
Decimal	11592425
CIE Lab	86.75, -14.47, -8.68
CIE LCh	87, 16.870, 210.968
Yxy	69.5060, 0.2760, 0.3208
Android (android.graphics.Color)	4289782505 (0xFFB0E2E9)
YUV	211.8480, 10.4279, -31.4387
Hunter-Lab	83.3703, -17.8643, -3.7676

Details

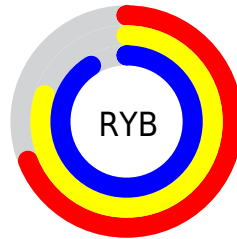
The Yxy color **69.5060, 0.2760, 0.3208** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2967, 0.3622, 0.3370**, and the grayscale version is **65.6723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.4377, 0.2678, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **65.4832, 0.2624, 0.3170**, and if you desaturate by 10%, it is **74.0263, 0.2905, 0.3244**.

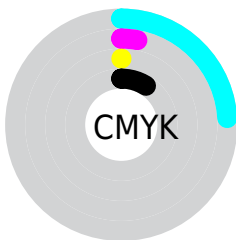
Distribution



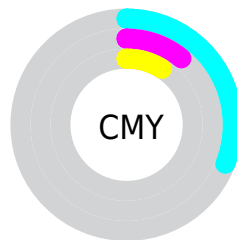
- Red (69%)
- Green (89%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)




- Cyan (31%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5060, 0.2760, 0.3208 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 69.5060, 0.2760, 0.3208 by changing the saturation by 10% instead.

 69.5060, 0.2760,
0.3208

 69.5060, 0.2760,
0.3208


458.8136, 0.2929,
0.3249

 51.1239, 0.2721,
0.3198


 118.5040, 0.2819,
0.3223

 36.3072, 0.2674,
0.3185


149.8887, 0.2841,
0.3228

 24.6716, 0.2614,
0.3169


186.3764, 0.2861,
0.3233

 15.8325, 0.2536,
0.3146

228.3515, 0.2878,
0.3237

 9.4057, 0.2430,
0.3114

276.1983, 0.2893,
0.3241

 5.0068, 0.2278,
0.3063

330.3014, 0.2907,

 2.2512, 0.2046,

0.3244

0.2977

391.0450, 0.2919,
0.3246

0.7477, 0.1374,
0.2873

0.0000, 0.0000,
0.0000

69.5060, 0.2760,
0.3208

69.5060, 0.2760,
0.3208

65.4832, 0.2624,
0.3170

74.0263, 0.2905,
0.3244

61.9257, 0.2501,
0.3130

79.0580, 0.3058,
0.3276

58.8101, 0.2394,
0.3088

84.6247, 0.3213,
0.3306

56.1078, 0.2304,
0.3045

87.9637, 0.3273,
0.3334

■ 53.7864, 0.2234,
0.3002

■ 89.6338, 0.3270,
0.3362

■ 51.8083, 0.2182,
0.2959

■ 91.3303, 0.3267,
0.3389

■ 50.1279, 0.2150,
0.2916

■ 93.0534, 0.3265,
0.3417

■ 49.2899, 0.2137,
0.2893

■ 94.8032, 0.3262,
0.3444

■ 96.5798, 0.3259,
0.3472

Harmonies

Analogous

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



69.5060, 0.2877, 0.3401



69.5060, 0.2760, 0.3208



69.5060, 0.2738, 0.3046

Triad

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



69.5060, 0.2760, 0.3208



69.5060, 0.3182, 0.3034



69.5060, 0.3443, 0.3630

Complementary

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



69.5060, 0.2760, 0.3208



54.2967, 0.3622, 0.3370

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.



69.5060, 0.3532, 0.3517



69.5060, 0.2760, 0.3208



69.5060, 0.3379, 0.3178

Square

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



69.5060, 0.2760, 0.3208



69.5060, 0.2976, 0.2954



69.5060, 0.3509, 0.3352



69.5060, 0.3270, 0.3651

Rectangle

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



69.5060, 0.2760, 0.3208



69.5060, 0.2779, 0.2977



69.5060, 0.3509, 0.3352



69.5060, 0.3484, 0.3601

Sweetspot

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



69.5088, 0.2760, 0.3208



95.3831, 0.3018, 0.3268



70.9076, 0.3055, 0.3901



20.3340, 0.3009, 0.3266



0.0000, 0.0000, 0.0000



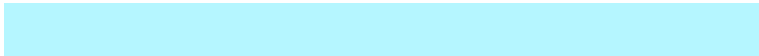
21.4041, 0.3127, 0.3290

Same Dimension

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



69.5088, 0.2760, 0.3208



82.9255, 0.2695, 0.3191



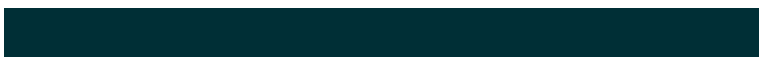
55.4119, 0.2731, 0.2868



16.7885, 0.2981, 0.3260



28.0902, 0.2139, 0.2899



2.2944, 0.2155, 0.2958

Inverse Universe

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



53.8450, 0.3211, 0.2751



60.9783, 0.3230, 0.2647



67.1116, 0.3549, 0.3678



15.2802, 0.3157, 0.3086



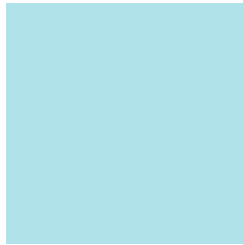
12.3285, 0.3544, 0.1726



0.9770, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 69.5060, 0.2760, 0.3208 looks on a white background.

Color Contrast Check

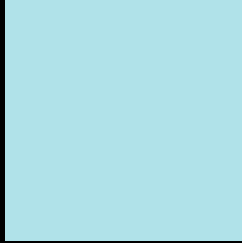
Large Text (above 18pt) WCAG AA × Fail

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 69.5060, 0.2760, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

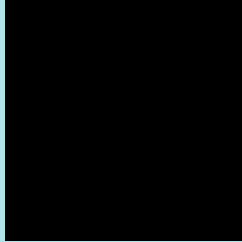
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5060, 0.2760, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 69.5060, 0.2760, 0.3208.

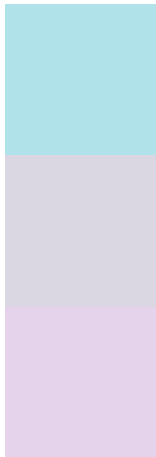


This preview shows how white text looks on a background with the Yxy color 69.5060, 0.2760, 0.3208.

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

69.5060, 0.2760, 0.3208

Protanopia

69.0524, 0.3069, 0.3159

Deuteranopia

69.3027, 0.3089, 0.3026



Tritanopia

69.7262, 0.2722, 0.3095

Trichromacy



Original Color

69.5060, 0.2760, 0.3208

Protanomaly

69.0167, 0.2951, 0.3178

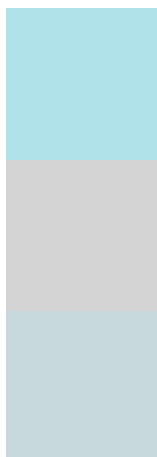
Deuteranomaly

68.8115, 0.2961, 0.3081

Tritanomaly

69.4295, 0.2732, 0.3128

Monochromacy



Original Color

69.5060, 0.2760, 0.3208

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.9351, 0.2980, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5060, 0.2760, 0.3208 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(176, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(176, 226, 233)  
}
```

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(176, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 226, 233) }
```

Border

The CSS property to change the border of an element to Yxy 69.5060, 0.2760, 0.3208 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(176, 226, 233) }
```

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

```
.border{ border-color:rgb(176, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(176, 226,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5060, 0.2760, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 226, 233) }
```

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

```
.background{ background-color: rgb(176,  
226, 233) }
```

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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