

Converting Colors

$Yxy(69.5938, 0.2877, 0.3257)$

Have a look what the booklet for
Yxy(69.5938, 0.2877, 0.3257)
contains.

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Color

Yxy(69.6762, 0.2873, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	BDE0E3
RGB	189, 224, 227
RGB Percent	74%, 88%, 89%
CMY	0.2590, 0.1215, 0.1098
CMYK	0.17, 0.01, 0.00, 0.11
HSL	185°, 40%, 82%
HSV	185°, 17%, 89%
XYZ	61.4991, 69.6762, 82.8836
YIQ	213.8770, -21.8230, -6.4870

Conversions

Conversions Part 2

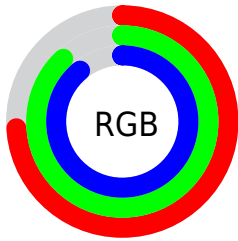
Format	Color
RYB	189, 207, 227
Decimal	12443875
CIELab	86.84, -10.81, -5.31
CIELCh	87, 12.038, 206.157
Yxy	69.6762, 0.2873, 0.3255
Android (android.graphics.Color)	4290633955 (0xFFBDE0E3)
YUV	213.8770, 6.4696, -21.8171
Hunter-Lab	83.4723, -14.5646, -0.4413

Details

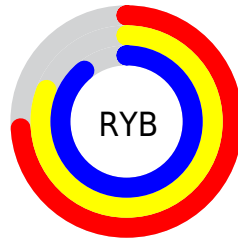
The Yxy color **69.6762, 0.2873, 0.3255** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.6803, 0.3441, 0.3325**, and the grayscale version is **67.1216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **36.5054, 0.2810, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **66.0463, 0.2732, 0.3232**, and if you desaturate by 10%, it is **73.7762, 0.3023, 0.3277**.

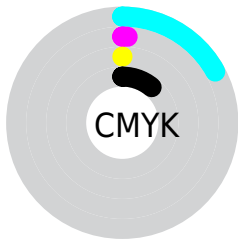
Distribution



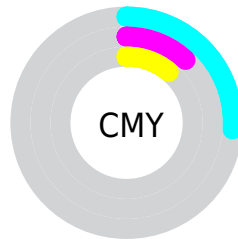
- Red (74%)
- Green (88%)
- Blue (89%)



- Red (74%)
- Yellow (81%)
- Blue (89%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)





- Cyan (26%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6762, 0.2873, 0.3255 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 69.6762, 0.2873, 0.3255 by changing the saturation by 10% instead.


 69.6762, 0.2873,
0.3255

 69.6762, 0.2873,
0.3255

459.4123, 0.2991,
0.3273

 51.2626, 0.2846,
0.3251

 118.7469, 0.2914,
0.3261

 36.4176, 0.2813,
0.3245

150.1727, 0.2930,
0.3264

 24.7569, 0.2771,
0.3238


186.7048, 0.2943,
0.3266

 15.8960, 0.2715,
0.3228

228.7275, 0.2955,
0.3268

 9.4506, 0.2640,
0.3213

276.6252, 0.2966,
0.3269

 5.0363, 0.2531,
0.3191

330.7823, 0.2975,

 2.2686, 0.2360,

0.3270

0.3151

391.5832, 0.2983,
0.3272

0.7570, 0.1878,
0.3119

0.0000, 0.0000,
0.0000

69.6762, 0.2873,
0.3255

69.6762, 0.2873,
0.3255

66.0463, 0.2732,
0.3232

73.7762, 0.3023,
0.3277

62.8568, 0.2602,
0.3207

78.3575, 0.3178,
0.3296

60.0878, 0.2487,
0.3182

83.0489, 0.3321,
0.3314

57.7144, 0.2389,
0.3155

84.0435, 0.3319,
0.3332

■ 55.7091, 0.2309,
0.3128

■ 85.0483, 0.3317,
0.3349

■ 54.0408, 0.2249,
0.3101

■ 86.0634, 0.3315,
0.3367

■ 52.6730, 0.2208,
0.3074

■ 87.0886, 0.3313,
0.3384

■ 51.5590, 0.2183,
0.3048

■ 88.1242, 0.3311,
0.3402

■ 51.2272, 0.2178,
0.3039

■ 89.1700, 0.3309,
0.3419

Harmonies

Analogous

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



69.6762, 0.2968, 0.3391



69.6762, 0.2873, 0.3255



69.6762, 0.2845, 0.3133

Triad

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



69.6762, 0.2873, 0.3255



69.6762, 0.3143, 0.3093



69.6762, 0.3368, 0.3524

Complementary

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



69.6762, 0.2873, 0.3255



57.6803, 0.3441, 0.3325

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.



69.6762, 0.3418, 0.3438



69.6762, 0.2873, 0.3255



69.6762, 0.3286, 0.3191

Square

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



69.6762, 0.2873, 0.3255



69.6762, 0.2998, 0.3044



69.6762, 0.3388, 0.3316



69.6762, 0.3253, 0.3548

Rectangle

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



69.6762, 0.2873, 0.3255



69.6762, 0.2867, 0.3076



69.6762, 0.3388, 0.3316



69.6762, 0.3393, 0.3501

Sweetspot

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



69.6791, 0.2873, 0.3255



97.0238, 0.3049, 0.3280



69.5380, 0.3090, 0.3711



20.6803, 0.3038, 0.3279



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.



69.6791, 0.2873, 0.3255



89.0463, 0.2824, 0.3247



60.2353, 0.2863, 0.3037



16.1323, 0.2982, 0.3271



29.9538, 0.2179, 0.3043



2.2714, 0.2189, 0.3082

Inverse Universe

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



58.0910, 0.3169, 0.2907



71.4102, 0.3178, 0.2828



66.3534, 0.3407, 0.3531



14.5947, 0.3150, 0.3076



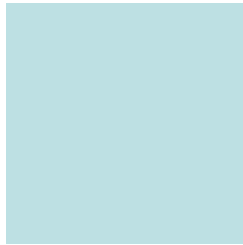
12.2216, 0.3416, 0.1656



0.9090, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 69.6762, 0.2873, 0.3255 looks on a white background.

Color Contrast Check

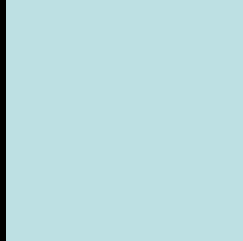
Large Text (above 18pt) WCAG AA × Fail

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 69.6762, 0.2873, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

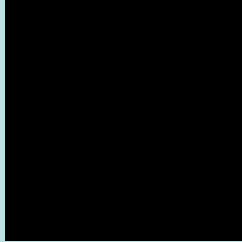
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

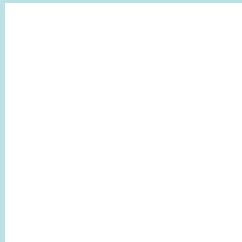
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6762, 0.2873, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 69.6762, 0.2873, 0.3255.



This preview shows how white text looks on a background with the Yxy color 69.6762, 0.2873, 0.3255.

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

69.6762, 0.2873, 0.3255

Protanopia

69.4457, 0.3109, 0.3224

Deuteranopia

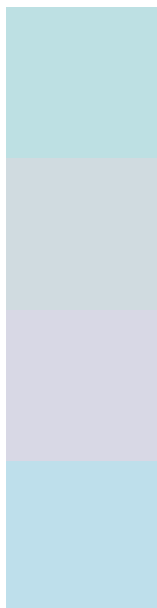
69.4575, 0.3151, 0.3089



Tritanopia

69.6102, 0.2809, 0.3087

Trichromacy



Original Color

69.6762, 0.2873, 0.3255

Protanomaly

69.4548, 0.3017, 0.3234

Deuteranomaly

69.3678, 0.3041, 0.3148

Tritanomaly

69.7207, 0.2832, 0.3153

Monochromacy



Original Color

69.6762, 0.2873, 0.3255

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2364, 0.3029, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6762, 0.2873, 0.3255 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(189, 224, 227)` looks like.

```
.text, #text, p{  
    color:rgb(189, 224, 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(189, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 224, 227) }
```

Border

The CSS property to change the border of an element to Yxy 69.6762, 0.2873, 0.3255 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(189, 224, 227) }
```

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

```
.border{ border-color:rgb(189, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 224, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 224, 227); box-shadow:4px 4px 4px 4px rgb(189, 224, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6762, 0.2873, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 224, 227) }
```

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

```
.background{ background-color: rgb(189,  
224, 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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