

Converting Colors

$Yxy(68.7326, 0.2785, 0.3096)$

Have a look what the booklet for
Yxy(68.7326, 0.2785, 0.3096)
contains.

Yxy(68.9137, 0.2784, 0.3096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.9137, 0.2784, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	BADEEF
RGB	186, 222, 239
RGB Percent	73%, 87%, 94%
CMY	0.2702, 0.1295, 0.0627
CMYK	0.22, 0.07, 0.00, 0.06
HSL	199°, 62%, 83%
HSV	199°, 22%, 94%
XYZ	61.9689, 68.9137, 91.7069
YIQ	213.1740, -26.9130, -2.3450

Conversions

Conversions Part 2

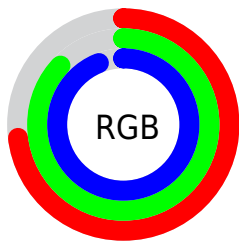
Format	Color
R _{YB}	186, 207, 239
Decimal	12246767
CIE Lab	86.46, -8.08, -12.22
CIE LCh	86, 14.651, 236.510
Yxy	68.9137, 0.2784, 0.3096
Android (android.graphics.Color)	4290436847 (0xFFBADEEF)
YUV	213.1740, 12.7322, -23.8316
Hunter-Lab	83.0143, -12.0274, -7.3884

Details

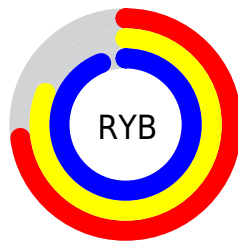
The Yxy color **68.9137, 0.2784, 0.3096** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64.6739, 0.3540, 0.3476**, and the grayscale version is **66.6013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **35.9619, 0.2704, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **62.1739, 0.2632, 0.2995**, and if you desaturate by 10%, it is **76.3463, 0.2939, 0.3189**.

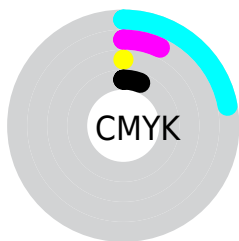
Distribution



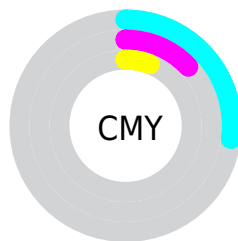
- Red (73%)
- Green (87%)
- Blue (94%)



- Red (73%)
- Yellow (81%)
- Blue (94%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (27%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9137, 0.2784, 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 68.9137, 0.2784, 0.3096 by changing the saturation by 10% instead.

■ 68.9137, 0.2784,
0.3096

■ 68.9137, 0.2784,
0.3096

456.7265, 0.2943,
0.3188

■ 50.6414, 0.2748,
0.3074

■ 117.6583, 0.2839,
0.3128

■ 35.9233, 0.2703,
0.3047

148.8994, 0.2860,
0.3141

■ 24.3750, 0.2647,
0.3013

185.2323, 0.2879,
0.3152

■ 15.6120, 0.2574,
0.2967

227.0413, 0.2895,
0.3161

■ 9.2500, 0.2474,
0.2903

274.7108, 0.2909,
0.3169

■ 4.9046, 0.2331,
0.2809

328.6253, 0.2921,

■ 2.1914, 0.2112,

0.3176

0.2657

389.1691, 0.2933,
0.3183

0.7153, 0.1610,
0.2386

0.0000, 0.0000,
0.0000

68.9137, 0.2784,
0.3096

68.9137, 0.2784,
0.3096

62.1739, 0.2632,
0.2995

76.3463, 0.2939,
0.3189

56.0912, 0.2486,
0.2886

84.4889, 0.3094,
0.3273

50.6389, 0.2351,
0.2770

92.8339, 0.3228,
0.3349

45.7847, 0.2230,
0.2650

97.5873, 0.3222,
0.3423

■ 41.4927, 0.2125,
0.2526

■ 99.0128, 0.3220,
0.3444

■ 37.7219, 0.2041,
0.2402

■ 34.4234, 0.1978,
0.2279

■ 32.1042, 0.1940,
0.2184

Harmonies

Analogous

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



68.9137, 0.2817, 0.3244



68.9137, 0.2784, 0.3096



68.9137, 0.2840, 0.3006

Triad

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



68.9137, 0.2784, 0.3096



68.9137, 0.3323, 0.3171



68.9137, 0.3278, 0.3606

Complementary

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



68.9137, 0.2784, 0.3096



64.6739, 0.3540, 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.



68.9137, 0.3419, 0.3576



68.9137, 0.2784, 0.3096



68.9137, 0.3447, 0.3322

Square

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



68.9137, 0.2784, 0.3096



68.9137, 0.3148, 0.3052



68.9137, 0.3483, 0.3470



68.9137, 0.3099, 0.3546

Rectangle

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



68.9137, 0.2784, 0.3096



68.9137, 0.2921, 0.2987



68.9137, 0.3483, 0.3470



68.9137, 0.3332, 0.3606

Sweetspot

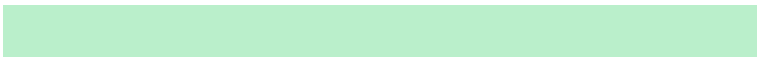
The Sweet Spot groups the original color and five complimentary colors.



68.9165, 0.2784, 0.3096



93.1594, 0.3019, 0.3233



76.4969, 0.3001, 0.3708



19.8179, 0.3009, 0.3228



0.0000, 0.0000, 0.0000



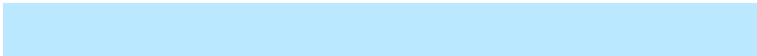
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9165, 0.2784, 0.3096



75.8655, 0.2708, 0.3047



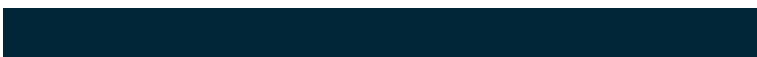
56.0714, 0.2761, 0.2787



17.0212, 0.2981, 0.3212



17.9869, 0.1946, 0.2203



1.6756, 0.1990, 0.2363

Inverse Universe

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



58.7834, 0.3284, 0.2909



62.3151, 0.3327, 0.2820



78.1139, 0.3482, 0.3747



15.9398, 0.3187, 0.3131



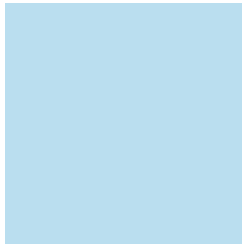
11.6091, 0.4229, 0.2103



0.9839, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 68.9137, 0.2784, 0.3096 looks on a white background.

Color Contrast Check

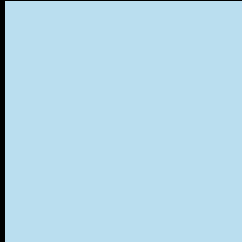
Large Text (above 18pt) WCAG AA × Fail

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 68.9137, 0.2784, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

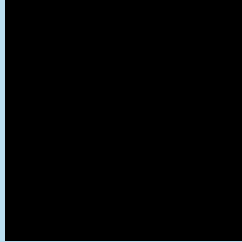
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

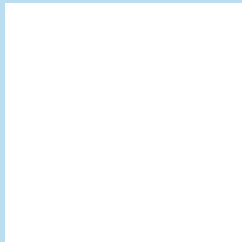
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9137, 0.2784, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 68.9137, 0.2784, 0.3096.

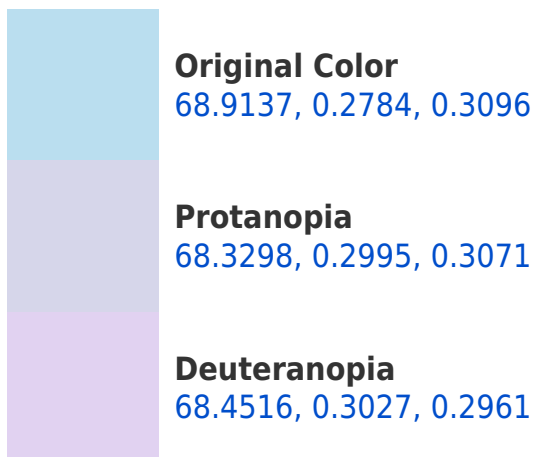


This preview shows how white text looks on a background with the Yxy color 68.9137, 0.2784, 0.3096.

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

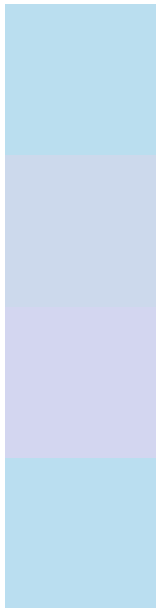




Tritanopia

68.9729, 0.2778, 0.3085

Trichromacy



Original Color

68.9137, 0.2784, 0.3096

Protanomaly

68.5192, 0.2914, 0.3079

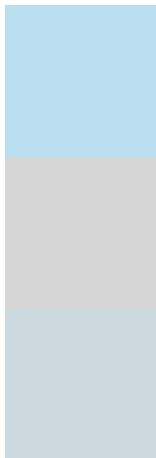
Deuteranomaly

68.2333, 0.2936, 0.3006

Tritanomaly

68.9729, 0.2778, 0.3085

Monochromacy



Original Color

68.9137, 0.2784, 0.3096

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.0822, 0.2995, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9137, 0.2784, 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(186, 222, 239)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 239)  
}
```

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(186, 222, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 239) }
```

Border

The CSS property to change the border of an element to Yxy 68.9137, 0.2784, 0.3096 is called "border". The border property can be set on classes, ids or directly on the HTML element.

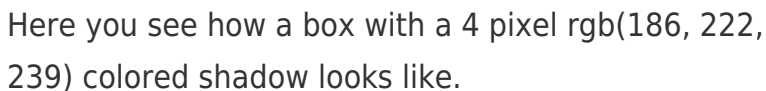
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 222, 239) }
```

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

```
.border{ border-color:rgb(186, 222, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 222, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 222, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 222, 239); box-shadow:4px 4px 4px 4px rgb(186, 222, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9137, 0.2784, 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(186, 222, 239) }
```

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

```
.background{ background-color: rgb(186,  
222, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor