

Converting Colors

$Yxy(68.1725, 0.2852, 0.3220)$

Have a look what the booklet for
Yxy(68.1725, 0.2852, 0.3220)
contains.

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Color

Yxy(68.4088, 0.2853, 0.3220)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BBDEE4 |
| RGB | 187, 222, 228 |
| RGB Percent | 73%, 87%, 89% |
| CMY | 0.2669, 0.1294, 0.1058 |
| CMYK | 0.18, 0.03, 0.00, 0.11 |
| HSL | 189°, 43%, 81% |
| HSV | 189°, 18%, 89% |
| XYZ | 60.6119, 68.4088, 83.4290 |
| YIQ | 212.2190, -22.7860, -5.5540 |

Conversions

Conversions Part 2

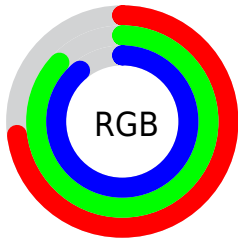
| Format | Color |
|-------------------------------------|--|
| RYB | 187, 206, 228 |
| Decimal | 12312292 |
| CIELab | 86.21, -10.19, -6.79 |
| CIELCh | 86, 12.245, 213.667 |
| Yxy | 68.4088, 0.2853, 0.3220 |
| Android (android.graphics.Color) | 4290502372 (0xFFBBDEE4) |
| YUV | 212.2190, 7.7800, -22.1171 |
| Hunter-Lab | 82.7096, -13.9321, -1.9090 |

Details

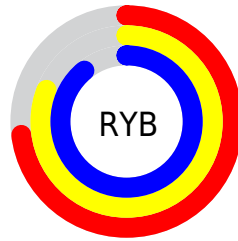
The Yxy color **68.4088, 0.2853, 0.3220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2089, 0.3464, 0.3359**, and the grayscale version is **65.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **35.6411, 0.2784, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **64.0049, 0.2709, 0.3176**, and if you desaturate by 10%, it is **73.3101, 0.3004, 0.3260**.

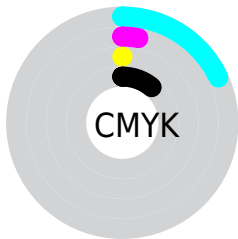
Distribution



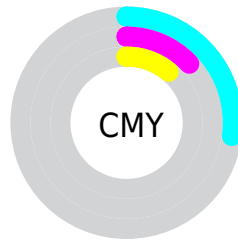
- Red (73%)
- Green (87%)
- Blue (89%)



- Red (73%)
- Yellow (81%)
- Blue (89%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (27%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4088, 0.2853, 0.3220 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 68.4088, 0.2853, 0.3220 by changing the saturation by 10% instead.

■ 68.4088, 0.2853,
0.3220

■ 68.4088, 0.2853,
0.3220

■ 454.9431, 0.2980,
0.3254

■ 50.2304, 0.2824,
0.3212

■ 116.9368, 0.2897,
0.3232

■ 35.5965, 0.2788,
0.3201

■ 148.0551, 0.2914,
0.3237

■ 24.1227, 0.2742,
0.3188

■ 184.2556, 0.2929,
0.3241

■ 15.4247, 0.2682,
0.3169

■ 225.9225, 0.2942,
0.3244

■ 9.1180, 0.2600,
0.3143

■ 273.4403, 0.2953,
0.3247

■ 4.8182, 0.2481,
0.3103

■ 327.1934, 0.2963,

■ 2.1410, 0.2295,

0.3250

0.3035

387.5662, 0.2972,
0.3252

0.6875, 0.1730,
0.2939

0.0000, 0.0000,
0.0000

68.4088, 0.2853,
0.3220

68.4088, 0.2853,
0.3220

64.0049, 0.2709,
0.3176

73.3101, 0.3004,
0.3260

60.0682, 0.2576,
0.3130

78.7205, 0.3158,
0.3297

56.5780, 0.2456,
0.3081

84.5941, 0.3311,
0.3330

53.5089, 0.2351,
0.3030

86.4922, 0.3307,
0.3363

■ 50.8323, 0.2265,
0.2978

■ 88.4263, 0.3304,
0.3396

■ 48.5161, 0.2198,
0.2926

■ 90.3964, 0.3300,
0.3428

■ 46.5222, 0.2150,
0.2874

■ 92.4029, 0.3296,
0.3460

■ 44.7977, 0.2120,
0.2822

■ 94.4458, 0.3292,
0.3492

■ 44.4716, 0.2115,
0.2812

■ 96.5254, 0.3289,
0.3524

Harmonies

Analogous

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



68.4088, 0.2934, 0.3359



68.4088, 0.2853, 0.3220



68.4088, 0.2843, 0.3105

Triad

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



68.4088, 0.2853, 0.3220



68.4088, 0.3182, 0.3110



68.4088, 0.3349, 0.3542

Complementary

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



68.4088, 0.2853, 0.3220



58.2089, 0.3464, 0.3359

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.



68.4088, 0.3419, 0.3468



68.4088, 0.2853, 0.3220



68.4088, 0.3322, 0.3219

Square

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



68.4088, 0.2853, 0.3220



68.4088, 0.3030, 0.3045



68.4088, 0.3409, 0.3349



68.4088, 0.3220, 0.3549

Rectangle

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



68.4088, 0.2853, 0.3220



68.4088, 0.2878, 0.3056



68.4088, 0.3409, 0.3349



68.4088, 0.3380, 0.3524

Sweetspot

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



68.4116, 0.2853, 0.3220



96.4761, 0.3049, 0.3272



69.8863, 0.3070, 0.3713



20.5468, 0.3038, 0.3269



0.0000, 0.0000, 0.0000



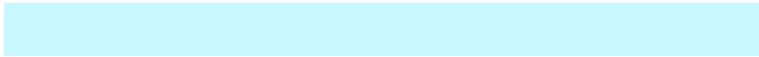
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4116, 0.2853, 0.3220



85.7386, 0.2793, 0.3202



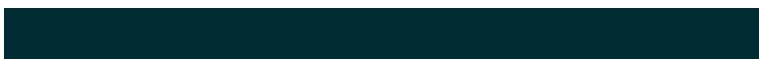
58.4082, 0.2840, 0.2983



15.9577, 0.2981, 0.3255



25.8086, 0.2117, 0.2820



2.0057, 0.2138, 0.2895

Inverse Universe

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



57.2927, 0.3194, 0.2907



68.7630, 0.3211, 0.2817



67.6564, 0.3425, 0.3579



14.5770, 0.3160, 0.3092



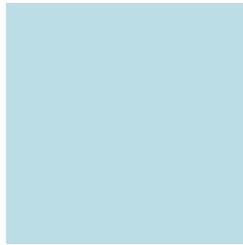
11.8031, 0.3616, 0.1766



0.8822, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 68.4088, 0.2853, 0.3220 looks on a white background.

Color Contrast Check

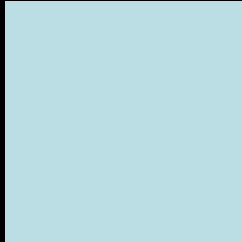
Large Text (above 18pt) WCAG AA × Fail

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 68.4088, 0.2853, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

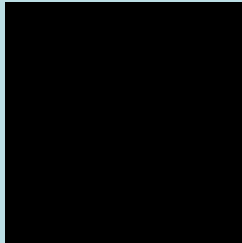
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

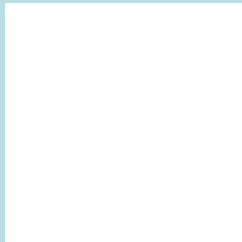
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4088, 0.2853, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 68.4088, 0.2853, 0.3220.



This preview shows how white text looks on a background with the Yxy color 68.4088, 0.2853, 0.3220.

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

68.4088, 0.2853, 0.3220

Protanopia

68.1726, 0.3088, 0.3191

Deuteranopia

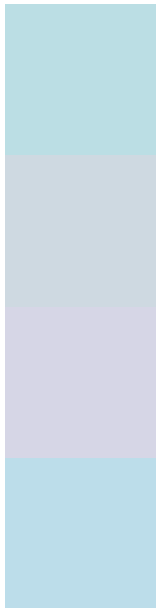
68.0285, 0.3123, 0.3056



Tritanopia

68.1783, 0.2806, 0.3085

Trichromacy



Original Color

68.4088, 0.2853, 0.3220

Protanomaly

68.1838, 0.2997, 0.3200

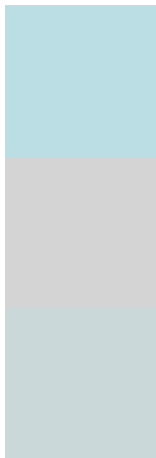
Deuteranomaly

68.1024, 0.3021, 0.3114

Tritanomaly

68.3448, 0.2824, 0.3141

Monochromacy



Original Color

68.4088, 0.2853, 0.3220

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.8702, 0.3021, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4088, 0.2853, 0.3220 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(187, 222, 228)` looks like.

```
.text, #text, p{  
    color:rgb(187, 222, 228)  
}
```

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(187, 222, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 222, 228) }
```

Border

The CSS property to change the border of an element to Yxy 68.4088, 0.2853, 0.3220 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(187, 222, 228) }
```

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

```
.border{ border-color:rgb(187, 222, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 222, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 222, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 222, 228); box-shadow:4px 4px 4px 4px rgb(187, 222, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4088, 0.2853, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 222, 228) }
```

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

```
.background{ background-color: rgb(187,  
222, 228) }
```

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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