

Converting Colors

$Yxy(68.5033, 0.2935, 0.3458)$

Have a look what the booklet for
Yxy(68.5033, 0.2935, 0.3458)
contains.

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Color

Yxy(68.5709, 0.2937, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	B7E1D2
RGB	183, 225, 210
RGB Percent	72%, 88%, 82%
CMY	0.2822, 0.1176, 0.1766
CMYK	0.19, 0.00, 0.07, 0.12
HSL	159°, 41%, 80%
HSV	159°, 19%, 88%
XYZ	58.0885, 68.5709, 71.1223
YIQ	210.7320, -20.2170, -13.5690

Conversions

Conversions Part 2

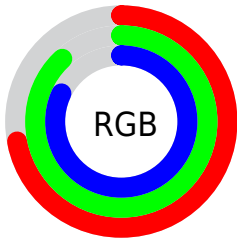
Format	Color
RYB	183, 209, 225
Decimal	12050898
CIELab	86.29, -16.60, 2.83
CIELCh	86, 16.836, 170.315
Yxy	68.5709, 0.2937, 0.3467
Android (android.graphics.Color)	4290240978 (0xFFB7E1D2)
YUV	210.7320, -0.3609, -24.3210
Hunter-Lab	82.8075, -19.6977, 7.0419

Details

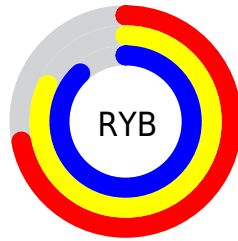
The Yxy color **68.5709, 0.2937, 0.3467** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.9692, 0.3364, 0.3120**, and the grayscale version is **64.9717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **35.8169, 0.2883, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **65.6393, 0.2843, 0.3576**, and if you desaturate by 10%, it is **71.9695, 0.3037, 0.3368**.

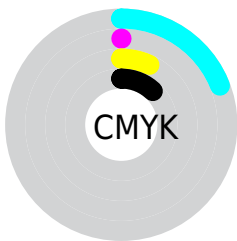
Distribution



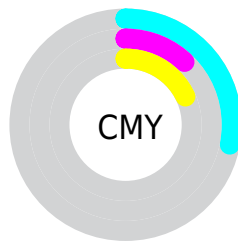
- Red (72%)
- Green (88%)
- Blue (82%)



- Red (72%)
- Yellow (82%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)




- Cyan (28%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5709, 0.2937, 0.3467 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 68.5709, 0.2937, 0.3467 by changing the saturation by 10% instead.


 68.5709, 0.2937,
0.3467

 68.5709, 0.2937,
0.3467

455.5161, 0.3026,
0.3383

 50.3623, 0.2916,
0.3487


 117.1685, 0.2968,
0.3438

 35.7014, 0.2890,
0.3511


148.3263, 0.2980,
0.3426

 24.2037, 0.2857,
0.3543


184.5693, 0.2991,
0.3417

 15.4848, 0.2813,
0.3584

226.2819, 0.3000,
0.3408

 9.1603, 0.2753,
0.3643

273.8485, 0.3008,
0.3401

 4.8459, 0.2663,
0.3731

327.6534, 0.3015,

 2.1571, 0.2517,

0.3394

388.0812, 0.3021,
0.3388

0.3875

0.6965, 0.1697,
0.4601

0.0000, 0.0000,
0.0000

68.5709, 0.2937,
0.3467

68.5709, 0.2937,
0.3467

65.6393, 0.2843,
0.3576

71.9695, 0.3037,
0.3368

63.1450, 0.2757,
0.3694

75.8463, 0.3141,
0.3279

61.0679, 0.2684,
0.3821

80.2229, 0.3246,
0.3199

59.3829, 0.2627,
0.3954

81.5345, 0.3224,
0.3121

 58.0622, 0.2587,
0.4092

 82.0302, 0.3171,
0.3044

 57.0744, 0.2567,
0.4231

 82.3309, 0.3141,
0.2999

 56.3820, 0.2568,
0.4370

 55.9294, 0.2587,
0.4506

 55.8763, 0.2590,
0.4524

Harmonies

Analogous

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



68.5709, 0.3137, 0.3609



68.5709, 0.2937, 0.3467



68.5709, 0.2791, 0.3276

Triad

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



68.5709, 0.2937, 0.3467



68.5709, 0.2911, 0.2944



68.5709, 0.3538, 0.3463

Complementary

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



68.5709, 0.2937, 0.3467



53.9692, 0.3364, 0.3120

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.



68.5709, 0.3474, 0.3289



68.5709, 0.2937, 0.3467



68.5709, 0.3107, 0.2997

Square

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



68.5709, 0.2937, 0.3467



68.5709, 0.2776, 0.2978



68.5709, 0.3314, 0.3121



68.5709, 0.3487, 0.3599

Rectangle

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



68.5709, 0.2937, 0.3467



68.5709, 0.2741, 0.3151



68.5709, 0.3314, 0.3121



68.5709, 0.3529, 0.3407

Sweetspot

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



68.5738, 0.2937, 0.3467



96.8647, 0.3064, 0.3344



69.3344, 0.3212, 0.3782



20.6631, 0.3057, 0.3350



0.0000, 0.0000, 0.0000



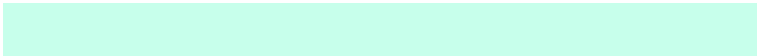
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5738, 0.2937, 0.3467



89.6408, 0.2903, 0.3504



66.3826, 0.2844, 0.3224



15.4846, 0.3029, 0.3375



32.2212, 0.2584, 0.4503



2.2503, 0.2526, 0.4293

Inverse Universe

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



53.9692, 0.3364, 0.3120



67.1753, 0.3419, 0.3086



55.6640, 0.3479, 0.3355



13.7813, 0.3236, 0.3206



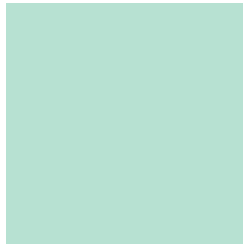
9.5836, 0.5536, 0.2823



0.6810, 0.5109, 0.2588

Previews

White Background



This preview shows how the Yxy color 68.5709, 0.2937, 0.3467 looks on a white background.

Color Contrast Check

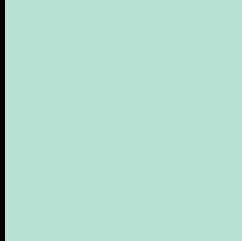
Large Text (above 18pt) WCAG AA × Fail

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 68.5709, 0.2937, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

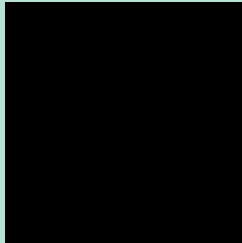
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

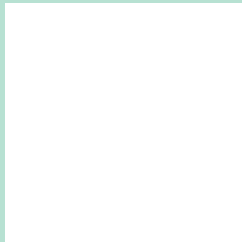
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5709, 0.2937, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 68.5709, 0.2937, 0.3467.

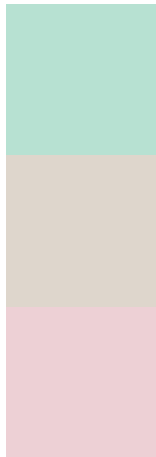


This preview shows how white text looks on a background with the Yxy color 68.5709, 0.2937, 0.3467.

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

68.5709, 0.2937, 0.3467

Protanopia

67.9824, 0.3256, 0.3401

Deuteranopia

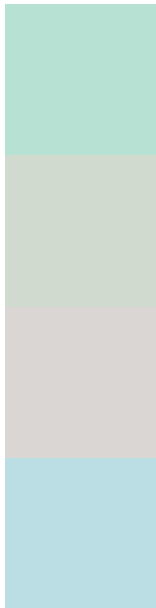
67.9204, 0.3312, 0.3237



Tritanopia

68.5773, 0.2801, 0.3097

Trichromacy



Original Color

68.5709, 0.2937, 0.3467

Protanomaly

68.0089, 0.3135, 0.3427

Deuteranomaly

67.5983, 0.3163, 0.3312

Tritanomaly

68.2831, 0.2847, 0.3220

Monochromacy



Original Color

68.5709, 0.2937, 0.3467

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.2324, 0.3053, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5709, 0.2937, 0.3467 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(183, 225, 210)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 210)  
}
```

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(183, 225, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 210) }
```

Border

The CSS property to change the border of an element to Yxy 68.5709, 0.2937, 0.3467 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(183, 225, 210) }
```

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

```
.border{ border-color:rgb(183, 225, 210) }
```

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

Here you see how a box with a 4 pixel rgb(183, 225, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 225, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 225, 210);  
box-shadow:4px 4px 4px 4px rgb(183, 225,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5709, 0.2937, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 210) }
```

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

```
.background{ background-color: rgb(183,  
225, 210) }
```

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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