

Converting Colors

$Yxy(68.5048, 0.2961, 0.3621)$

Have a look what the booklet for
Yxy(68.5048, 0.2961, 0.3621)
contains.

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Color

Yxy(68.4554, 0.2958, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	B1E3C8
RGB	177, 227, 200
RGB Percent	69%, 89%, 78%
CMY	0.3061, 0.1097, 0.2157
CMYK	0.22, 0.00, 0.12, 0.11
HSL	148°, 47%, 79%
HSV	148°, 22%, 89%
XYZ	56.0141, 68.4554, 64.8953
YIQ	208.9720, -21.1330, -18.9970

Conversions

Conversions Part 2

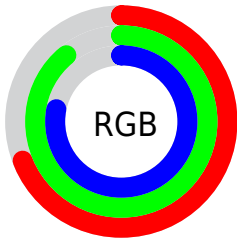
Format	Color
RYB	177, 211, 227
Decimal	11658184
CIELab	86.23, -21.46, 7.95
CIELCh	86, 22.887, 159.666
Yxy	68.4554, 0.2958, 0.3615
Android (android.graphics.Color)	4289848264 (0xFFB1E3C8)
YUV	208.9720, -4.4232, -28.0394
Hunter-Lab	82.7378, -23.9452, 11.4124

Details

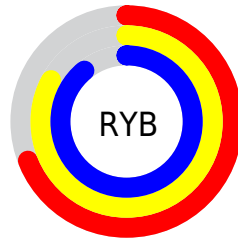
The Yxy color **68.4554, 0.2958, 0.3615** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.1132, 0.3340, 0.2986**, and the grayscale version is **63.7748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.4121, 0.2912, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **65.4614, 0.2888, 0.3789**, and if you desaturate by 10%, it is **71.9445, 0.3033, 0.3458**.

Distribution



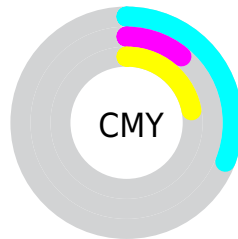
- Red (69%)
- Green (89%)
- Blue (78%)



- Red (69%)
- Yellow (83%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4554, 0.2958, 0.3615 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 68.4554, 0.2958, 0.3615 by changing the saturation by 10% instead.

 68.4554, 0.2958,
0.3615

 68.4554, 0.2958,
0.3615


455.1078, 0.3039,
0.3459

 50.2683, 0.2939,
0.3652

 117.0034, 0.2987,
0.3560

 35.6266, 0.2915,
0.3699


148.1331, 0.2998,
0.3539

 24.1460, 0.2884,
0.3759


184.3458, 0.3007,
0.3521

 15.4419, 0.2842,
0.3840

226.0258, 0.3015,
0.3505

 9.1301, 0.2783,
0.3954

273.5577, 0.3022,
0.3491

 4.8262, 0.2694,
0.4129


327.3257, 0.3028,

 2.1456, 0.2543,

0.3479


0.4425


387.7143, 0.3034,
0.3469


 0.6901, 0.1298,
0.6782


 0.0000, 0.0000,
0.0000


 68.4554, 0.2958,
0.3615

 68.4554, 0.2958,
0.3615


 65.4614, 0.2888,
0.3789


 71.9445, 0.3033,
0.3458


 62.9308, 0.2825,
0.3977

 75.9414, 0.3111,
0.3317

 60.8417, 0.2774,
0.4179

 80.4693, 0.3189,
0.3192

 59.1667, 0.2738,
0.4389

 83.0485, 0.3178,
0.3076

■ 57.8754, 0.2719,
0.4602

■ 83.4286, 0.3140,
0.3019

■ 56.9327, 0.2720,
0.4813

■ 56.2971, 0.2740,
0.5013

■ 55.9577, 0.2767,
0.5162

Harmonies

Analogous

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



68.4554, 0.3238, 0.3769



68.4554, 0.2958, 0.3615



68.4554, 0.2730, 0.3363

Triad

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



68.4554, 0.2958, 0.3615



68.4554, 0.2757, 0.2826



68.4554, 0.3675, 0.3438

Complementary

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



68.4554, 0.2958, 0.3615



52.1132, 0.3340, 0.2986

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.



68.4554, 0.3535, 0.3202



68.4554, 0.2958, 0.3615



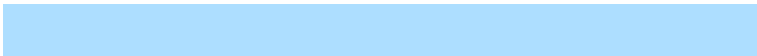
68.4554, 0.2997, 0.2859

Square

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



68.4554, 0.2958, 0.3615



68.4554, 0.2618, 0.2910



68.4554, 0.3283, 0.2995



68.4554, 0.3659, 0.3649

Rectangle

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



68.4554, 0.2958, 0.3615



68.4554, 0.2635, 0.3185



68.4554, 0.3283, 0.2995



68.4554, 0.3645, 0.3359

Sweetspot

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



68.4583, 0.2958, 0.3615



96.1652, 0.3072, 0.3385



71.0264, 0.3293, 0.3870



20.5159, 0.3067, 0.3394



0.0000, 0.0000, 0.0000



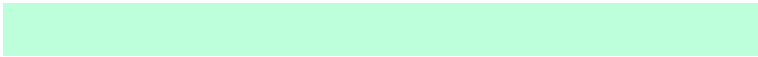
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4583, 0.2958, 0.3615



87.4261, 0.2928, 0.3684



69.6986, 0.2815, 0.3318



16.1990, 0.3053, 0.3420



32.6515, 0.2760, 0.5135



2.4314, 0.2682, 0.4854

Inverse Universe

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



52.1132, 0.3340, 0.2986



62.9346, 0.3390, 0.2927



51.0275, 0.3553, 0.3262



14.4975, 0.3208, 0.3164



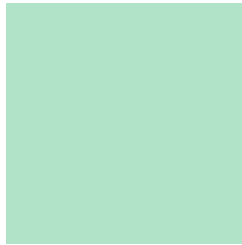
10.3753, 0.4786, 0.2410



0.7854, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 68.4554, 0.2958, 0.3615 looks on a white background.

Color Contrast Check

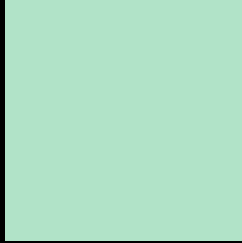
Large Text (above 18pt) WCAG AA × Fail

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 68.4554, 0.2958, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

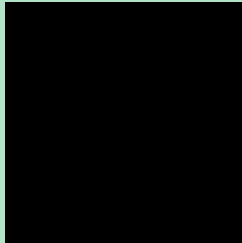
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

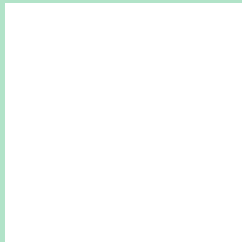
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4554, 0.2958, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 68.4554, 0.2958, 0.3615.



This preview shows how white text looks on a background with the Yxy color 68.4554, 0.2958, 0.3615.

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

68.4554, 0.2958, 0.3615

Protanopia

67.7907, 0.3349, 0.3524

Deuteranopia

67.9966, 0.3402, 0.3333



Tritanopia

68.1352, 0.2770, 0.3084

Trichromacy



Original Color

68.4554, 0.2958, 0.3615

Protanomaly

67.9140, 0.3194, 0.3555

Deuteranomaly

67.6644, 0.3224, 0.3425

Tritanomaly

68.0354, 0.2834, 0.3266

Monochromacy



Original Color

68.4554, 0.2958, 0.3615

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.4383, 0.3057, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4554, 0.2958, 0.3615 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(177, 227, 200)` looks like.

```
.text, #text, p{  
    color:rgb(177, 227, 200)  
}
```

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(177, 227, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 227, 200) }
```

Border

The CSS property to change the border of an element to Yxy 68.4554, 0.2958, 0.3615 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(177, 227, 200) }
```

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

```
.border{ border-color:rgb(177, 227, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 227, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(177, 227,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4554, 0.2958, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 227, 200) }
```

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

```
.background{ background-color: rgb(177,  
227, 200) }
```

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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