

Converting Colors

$Yxy(68.9456, 0.3028, 0.3672)$

Have a look what the booklet for
Yxy(68.9456, 0.3028, 0.3672)
contains.

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Color

Yxy(68.9456, 0.3028, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	B7E3C3
RGB	183, 227, 195
RGB Percent	72%, 89%, 76%
CMY	0.2823, 0.1098, 0.2352
CMYK	0.19, 0.00, 0.14, 0.11
HSL	136°, 44%, 80%
HSV	136°, 19%, 89%
XYZ	56.8538, 68.9456, 61.9609
YIQ	210.1960, -15.9520, -19.2800

Conversions

Conversions Part 2

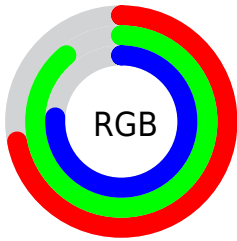
Format	Color
R _Y B	183, 218, 227
Decimal	12051395
CIE Lab	86.48, -20.43, 10.95
CIE LCh	86, 23.175, 151.807
Yxy	68.9456, 0.3028, 0.3672
Android (android.graphics.Color)	4290241475 (0xFFB7E3C3)
YUV	210.1960, -7.4916, -23.8509
Hunter-Lab	83.0335, -23.0879, 13.8803

Details

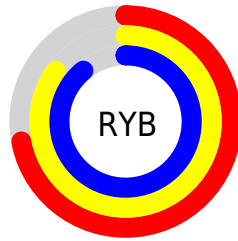
The Yxy color **68.9456, 0.3028, 0.3672** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.1104, 0.3243, 0.2936**, and the grayscale version is **64.6472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8990, 0.3046, 0.3319**, and **35.7160, 0.3000, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **65.6797, 0.2979, 0.3904**, and if you desaturate by 10%, it is **72.7487, 0.3079, 0.3464**.

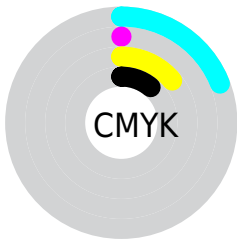
Distribution



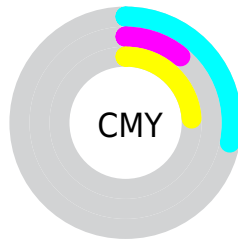
- Red (72%)
- Green (89%)
- Blue (76%)



- Red (72%)
- Yellow (85%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)




- Cyan (28%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9456, 0.3028, 0.3672 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 68.9456, 0.3028, 0.3672 by changing the saturation by 10% instead.

 68.9456, 0.3028,
0.3672

 68.9456, 0.3028,
0.3672


456.8391, 0.3077,
0.3489

 50.6674, 0.3016,
0.3716


 117.7039, 0.3046,
0.3607

 35.9440, 0.3001,
0.3771

148.9527, 0.3052,
0.3582

 24.3909, 0.2981,
0.3842


185.2940, 0.3058,
0.3561

 15.6239, 0.2954,
0.3938

227.1119, 0.3063,
0.3542

 9.2584, 0.2915,
0.4073

274.7910, 0.3067,
0.3526

 4.9101, 0.2853,
0.4280


328.7157, 0.3071,

 2.1946, 0.2743,


0.3512


0.4632

389.2702, 0.3074,
0.3500

 0.7171, 0.1999,
0.7835


 0.0000, 0.0000,
0.0000


 68.9456, 0.3028,
0.3672

 68.9456, 0.3028,
0.3672


 65.6797, 0.2979,
0.3904


 72.7487, 0.3079,
0.3464


 62.9181, 0.2935,
0.4158

 77.1028, 0.3130,
0.3279

 60.6377, 0.2898,
0.4428

 82.0321, 0.3181,
0.3117

 58.8101, 0.2871,
0.4708

 83.4173, 0.3140,
0.3019

■ 57.4037, 0.2858,
0.4985

■ 56.3828, 0.2861,
0.5246

■ 55.7055, 0.2879,
0.5478

■ 55.3059, 0.2909,
0.5668

■ 55.2853, 0.2911,
0.5678

Harmonies

Analogous

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



68.9456, 0.3313, 0.3791



68.9456, 0.3028, 0.3672



68.9456, 0.2778, 0.3435

Triad

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



68.9456, 0.3028, 0.3672



68.9456, 0.2705, 0.2832



68.9456, 0.3658, 0.3377

Complementary

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



68.9456, 0.3028, 0.3672



55.1104, 0.3243, 0.2936

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.



68.9456, 0.3481, 0.3141



68.9456, 0.3028, 0.3672



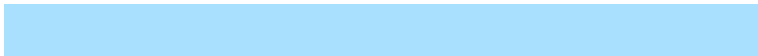
68.9456, 0.2925, 0.2836

Square

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



68.9456, 0.3028, 0.3672



68.9456, 0.2598, 0.2947



68.9456, 0.3209, 0.2948



68.9456, 0.3685, 0.3602

Rectangle

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



68.9456, 0.3028, 0.3672



68.9456, 0.2662, 0.3253



68.9456, 0.3209, 0.2948



68.9456, 0.3614, 0.3296

Sweetspot

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



68.9485, 0.3028, 0.3672



96.5172, 0.3096, 0.3400



72.8450, 0.3332, 0.3785



20.5810, 0.3093, 0.3412



0.0000, 0.0000, 0.0000



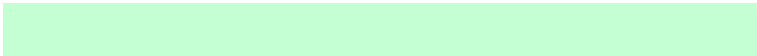
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9485, 0.3028, 0.3672



88.0752, 0.3009, 0.3757



70.0028, 0.2897, 0.3409



16.1535, 0.3079, 0.3465



32.2600, 0.2904, 0.5653



2.3992, 0.2824, 0.5365

Inverse Universe

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



55.1104, 0.3243, 0.2936



67.1284, 0.3270, 0.2865



54.0679, 0.3421, 0.3174



14.5445, 0.3179, 0.3121



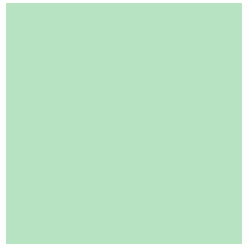
11.1286, 0.4044, 0.2002



0.8378, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 68.9456, 0.3028, 0.3672 looks on a white background.

Color Contrast Check

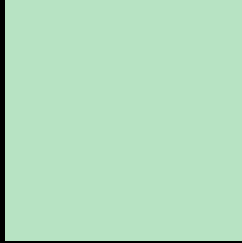
Large Text (above 18pt) WCAG AA × Fail

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 68.9456, 0.3028, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

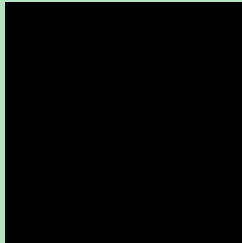
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

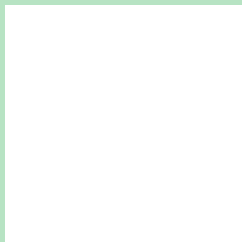
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9456, 0.3028, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 68.9456, 0.3028, 0.3672.

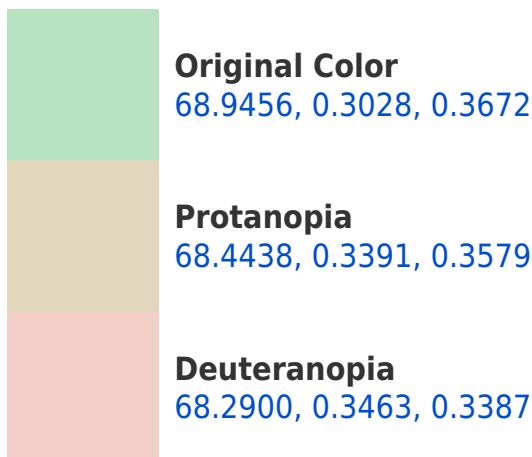


This preview shows how white text looks on a background with the Yxy color 68.9456, 0.3028, 0.3672.

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

68.9623, 0.2820, 0.3098

Trichromacy



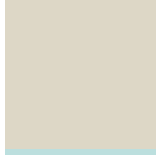
Original Color

68.9456, 0.3028, 0.3672



Protanomaly

68.1263, 0.3250, 0.3611



Deuteranomaly

68.0502, 0.3289, 0.3480



Tritanomaly

68.7406, 0.2896, 0.3301

Monochromacy



Original Color

68.9456, 0.3028, 0.3672



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

65.7989, 0.3085, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9456, 0.3028, 0.3672 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, 227, 195)` looks like.

```
.text, #text, p{  
    color:rgb(183, 227, 195)  
}
```

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, 227, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 227, 195) }
```

Border

The CSS property to change the border of an element to Yxy 68.9456, 0.3028, 0.3672 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, 227, 195) }
```

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

```
.border{ border-color:rgb(183, 227, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 227, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 227, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 227, 195); box-shadow:4px 4px 4px 4px rgb(183, 227, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9456, 0.3028, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 227, 195) }
```

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

```
.background{ background-color: rgb(183,  
227, 195) }
```

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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