

Converting Colors

$Yxy(68.5020, 0.3023, 0.4228)$

Have a look what the booklet for
Yxy(68.5020, 0.3023, 0.4228)
contains.

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Color

Yxy(68.6653, 0.3028, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	98EBA1
RGB	152, 235, 161
RGB Percent	60%, 92%, 63%
CMY	0.4037, 0.0784, 0.3687
CMYK	0.35, 0.00, 0.31, 0.08
HSL	126°, 67%, 76%
HSV	126°, 35%, 92%
XYZ	49.0953, 68.6653, 44.3771
YIQ	201.7470, -25.7140, -40.6100

Conversions

Conversions Part 2

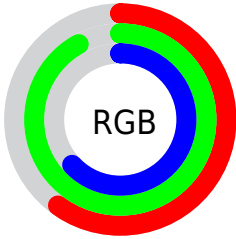
Format	Color
RYB	152, 227, 235
Decimal	10021793
CIELab	86.34, -39.93, 28.16
CIELCh	86, 48.865, 144.810
Yxy	68.6653, 0.3028, 0.4235
Android (android.graphics.Color)	4288211873 (0xFF98EBA1)
YUV	201.7470, -20.0883, -43.6281
Hunter-Lab	82.8645, -39.2559, 26.2531

Details

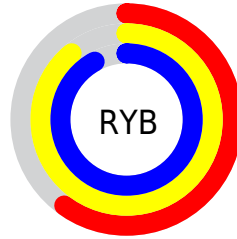
The Yxy color **68.6653, 0.3028, 0.4235** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.6272, 0.3245, 0.2500**, and the grayscale version is **59.0429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0332, 0.3065, 0.3707**, and **35.8857, 0.2982, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **65.9413, 0.3003, 0.4559**, and if you desaturate by 10%, it is **71.9683, 0.3056, 0.3931**.

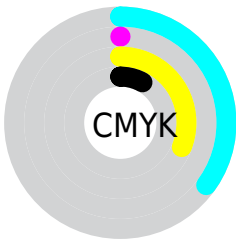
Distribution



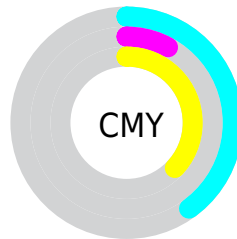
- Red (60%)
- Green (92%)
- Blue (63%)



- Red (60%)
- Yellow (89%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (31%)
- Black (8%)





- Cyan (40%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6653, 0.3028, 0.4235 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 68.6653, 0.3028, 0.4235 by changing the saturation by 10% instead.

 68.6653, 0.3028,
0.4235


 68.6653, 0.3028,
0.4235

455.8496, 0.3088,
0.3768

 50.4392, 0.3010,
0.4349


 117.3034, 0.3052,
0.4067

 35.7625, 0.2986,
0.4494


 148.4842, 0.3061,
0.4003

 24.2508, 0.2951,
0.4683


184.7519, 0.3067,
0.3949

 15.5198, 0.2898,
0.4940

226.4911, 0.3073,
0.3903

 9.1850, 0.2812,
0.5307

274.0860, 0.3078,
0.3863

 4.8620, 0.2657,
0.5864


327.9212, 0.3082,

 2.1665, 0.2556,


0.3827


0.7442


388.3809, 0.3085,
0.3796


 0.7017, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 68.6653, 0.3028,
0.4235

 68.6653, 0.3028,
0.4235


 65.9413, 0.3003,
0.4559


 71.9683, 0.3056,
0.3931


 63.7549, 0.2982,
0.4891

 75.8719, 0.3084,
0.3654

 62.0727, 0.2968,
0.5211

 80.4071, 0.3113,
0.3408

 60.8541, 0.2963,
0.5497

 85.6002, 0.3140,
0.3192

■ 60.0521, 0.2966,
0.5726

■ 87.8957, 0.3136,
0.3097

■ 59.6096, 0.2977,
0.5885

■ 59.4873, 0.2982,
0.5936

Harmonies

Analogous

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



68.6653, 0.3613, 0.4384



68.6653, 0.3028, 0.4235



68.6653, 0.2499, 0.3734

Triad

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



68.6653, 0.3028, 0.4235



68.6653, 0.2204, 0.2390



68.6653, 0.4197, 0.3313

Complementary

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



68.6653, 0.3028, 0.4235



45.6272, 0.3245, 0.2500

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.



68.6653, 0.3745, 0.2879



68.6653, 0.3028, 0.4235



68.6653, 0.2579, 0.2368

Square

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



68.6653, 0.3028, 0.4235



68.6653, 0.2059, 0.2640



68.6653, 0.3136, 0.2544



68.6653, 0.4321, 0.3776

Rectangle

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



68.6653, 0.3028, 0.4235



68.6653, 0.2245, 0.3318



68.6653, 0.3136, 0.2544



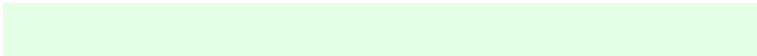
68.6653, 0.4077, 0.3161

Sweetspot

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



68.6682, 0.3028, 0.4235



93.5544, 0.3097, 0.3546



77.9668, 0.3597, 0.4188



19.8686, 0.3093, 0.3580



0.0000, 0.0000, 0.0000



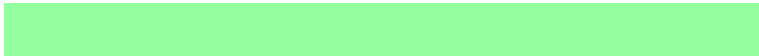
21.4041, 0.3127, 0.3290

Same Dimension

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



68.6682, 0.3028, 0.4235



80.3252, 0.3010, 0.4457



70.3511, 0.2803, 0.3699



16.8885, 0.3101, 0.3507



33.1169, 0.2978, 0.5921



2.6093, 0.2930, 0.5749

Inverse Universe

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



45.6272, 0.3245, 0.2500



48.9071, 0.3273, 0.2352



43.6454, 0.3630, 0.2919



15.2842, 0.3154, 0.3082



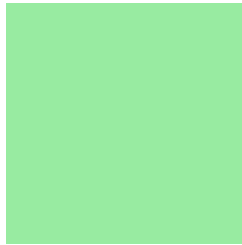
12.4219, 0.3500, 0.1702



0.9834, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 68.6653, 0.3028, 0.4235 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 68.6653, 0.3028, 0.4235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

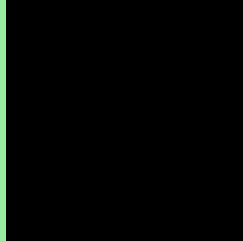
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6653, 0.3028, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 68.6653, 0.3028, 0.4235.

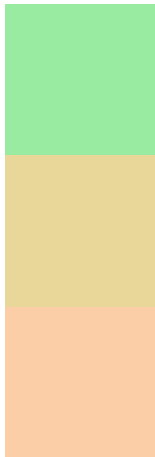


This preview shows how white text looks on a background with the Yxy color 68.6653, 0.3028, 0.4235.

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

68.6653, 0.3028, 0.4235

Protanopia

68.0237, 0.3704, 0.3983

Deuteranopia

67.6281, 0.3785, 0.3700



Tritanopia

68.6463, 0.2659, 0.3081

Trichromacy



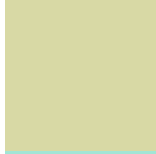
Original Color

68.6653, 0.3028, 0.4235



Protanomaly

67.3056, 0.3435, 0.4079



Deuteranomaly

66.9413, 0.3479, 0.3887



Tritanomaly

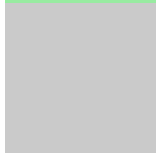
68.5241, 0.2792, 0.3483

Monochromacy



Original Color

68.6653, 0.3028, 0.4235



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.8713, 0.3090, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6653, 0.3028, 0.4235 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(152, 235, 161)` looks like.

```
.text, #text, p{  
    color:rgb(152, 235, 161)  
}
```

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(152, 235, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 235, 161) }
```

Border

The CSS property to change the border of an element to Yxy 68.6653, 0.3028, 0.4235 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(152, 235, 161) }
```

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

```
.border{ border-color:rgb(152, 235, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 235, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 235, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 235, 161);  
box-shadow:4px 4px 4px 4px rgb(152, 235,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6653, 0.3028, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 235, 161) }
```

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

```
.background{ background-color: rgb(152,  
235, 161) }
```

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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