

Converting Colors

Yxy(67.9016, 0.2988, 0.4241)

Have a look what the booklet for
Yxy(67.9016, 0.2988, 0.4241)
contains.

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Color

Yxy(68.1009, 0.2992, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	92EBA1
RGB	146, 235, 161
RGB Percent	57%, 92%, 63%
CMY	0.4273, 0.0784, 0.3687
CMYK	0.38, 0.00, 0.31, 0.08
HSL	130°, 69%, 75%
HSV	130°, 38%, 92%
XYZ	47.9995, 68.1009, 44.3257
YIQ	199.9530, -29.2900, -41.8820

Conversions

Conversions Part 2

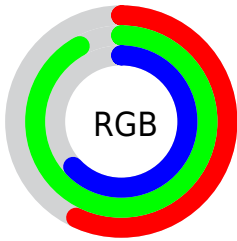
Format	Color
RYB	146, 222, 235
Decimal	9628577
CIELab	86.06, -41.73, 27.73
CIElCh	86, 50.104, 146.393
Yxy	68.1009, 0.2992, 0.4245
Android (android.graphics.Color)	4287818657 (0xFF92EBA1)
YUV	199.9530, -19.2038, -47.3168
Hunter-Lab	82.5233, -40.5915, 25.9198

Details

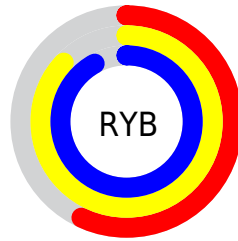
The Yxy color **68.1009, 0.2992, 0.4245** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.4026, 0.3304, 0.2495**, and the grayscale version is **57.8684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1744, 0.3029, 0.3711**, and **35.5685, 0.2941, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **65.5295, 0.2963, 0.4552**, and if you desaturate by 10%, it is **71.2285, 0.3026, 0.3956**.

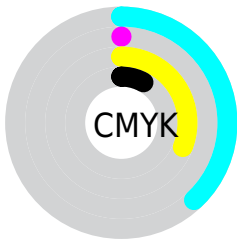
Distribution



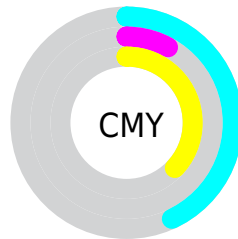
- Red (57%)
- Green (92%)
- Blue (63%)



- Red (57%)
- Yellow (87%)
- Blue (92%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (8%)





- Cyan (43%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1009, 0.2992, 0.4245 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 68.1009, 0.2992, 0.4245 by changing the saturation by 10% instead.


 68.1009, 0.2992,
0.4245

 68.1009, 0.2992,
0.4245


453.8534, 0.3070,
0.3772

 49.9798, 0.2970,
0.4361


 116.4965, 0.3022,
0.4074

 35.3974, 0.2940,
0.4509


 147.5398, 0.3033,
0.4010

 23.9691, 0.2899,
0.4702


183.6593, 0.3042,
0.3955

 15.3107, 0.2837,
0.4965

225.2393, 0.3049,
0.3908

 9.0378, 0.2739,
0.5342

272.6644, 0.3056,
0.3867

 4.7658, 0.2566,
0.5917

326.3188, 0.3061,

 2.1105, 0.2412,

0.3831

0.7588

386.5870, 0.3066,
0.3800

0.6705, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.1009, 0.2992,
0.4245

68.1009, 0.2992,
0.4245

65.5295, 0.2963,
0.4552

71.2285, 0.3026,
0.3956

63.4735, 0.2941,
0.4866

74.9334, 0.3062,
0.3692

61.8999, 0.2929,
0.5170

79.2460, 0.3099,
0.3456

60.7686, 0.2928,
0.5446

84.1921, 0.3135,
0.3248

■ 60.0323, 0.2939,
0.5673

■ 87.8963, 0.3136,
0.3097

■ 59.6282, 0.2959,
0.5839

■ 59.5660, 0.2963,
0.5867

Harmonies

Analogous

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



68.1009, 0.3593, 0.4418



68.1009, 0.2992, 0.4245



68.1009, 0.2457, 0.3713

Triad

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



68.1009, 0.2992, 0.4245



68.1009, 0.2196, 0.2361



68.1009, 0.4244, 0.3336

Complementary

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



68.1009, 0.2992, 0.4245



43.4026, 0.3304, 0.2495

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.



68.1009, 0.3793, 0.2889



68.1009, 0.2992, 0.4245



68.1009, 0.2591, 0.2350

Square

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



68.1009, 0.2992, 0.4245



68.1009, 0.2034, 0.2602



68.1009, 0.3169, 0.2540



68.1009, 0.4349, 0.3809

Rectangle

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



68.1009, 0.2992, 0.4245



68.1009, 0.2206, 0.3284



68.1009, 0.3169, 0.2540



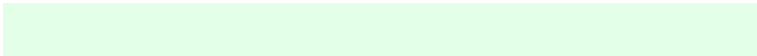
68.1009, 0.4126, 0.3180

Sweetspot

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



68.1037, 0.2992, 0.4245



93.6498, 0.3087, 0.3528



76.7355, 0.3585, 0.4267



19.8912, 0.3082, 0.3560



0.0000, 0.0000, 0.0000



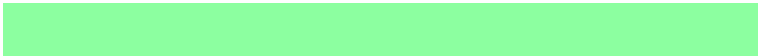
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1037, 0.2992, 0.4245



79.6388, 0.2970, 0.4469



69.9556, 0.2751, 0.3657



16.9034, 0.3093, 0.3492



33.1640, 0.2958, 0.5848



2.6164, 0.2894, 0.5619

Inverse Universe

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



43.4026, 0.3304, 0.2495



46.1293, 0.3347, 0.2348



41.3549, 0.3744, 0.2957



15.2678, 0.3164, 0.3096



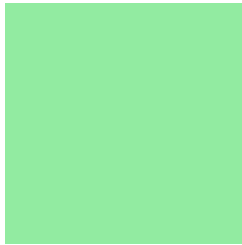
12.0523, 0.3685, 0.1804



0.9579, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 68.1009, 0.2992, 0.4245 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 68.1009, 0.2992, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

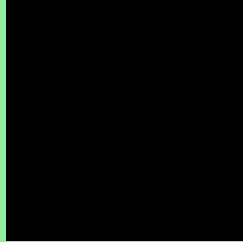
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1009, 0.2992, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 68.1009, 0.2992, 0.4245.

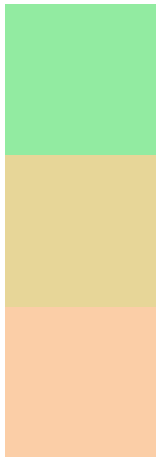


This preview shows how white text looks on a background with the Yxy color 68.1009, 0.2992, 0.4245.

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

68.1009, 0.2992, 0.4245

Protanopia

67.3491, 0.3699, 0.3975

Deuteranopia

67.4419, 0.3777, 0.3701



Tritanopia

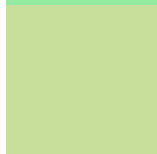
68.1080, 0.2632, 0.3079

Trichromacy



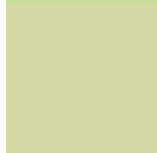
Original Color

68.1009, 0.2992, 0.4245



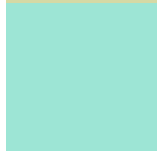
Protanomaly

66.8885, 0.3412, 0.4085



Deuteranomaly

66.4885, 0.3456, 0.3892



Tritanomaly

68.0108, 0.2763, 0.3485

Monochromacy



Original Color

68.1009, 0.2992, 0.4245



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.8370, 0.3068, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1009, 0.2992, 0.4245 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(146, 235, 161)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 235, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 235, 161) }
```

Border

The CSS property to change the border of an element to Yxy 68.1009, 0.2992, 0.4245 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(146, 235, 161) }
```

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

```
.border{ border-color:rgb(146, 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(146, 235, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 235, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 235, 161); box-shadow:4px 4px 4px 4px rgb(146, 235, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1009, 0.2992, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 235, 161) }
```

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

```
.background{ background-color: rgb(146,  
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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