

Converting Colors

Yxy(69.0863, 0.2912, 0.4239)

Have a look what the booklet for
Yxy(69.0863, 0.2912, 0.4239)
contains.

Yxy(69.0999, 0.2914, 0.4238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.0999, 0.2914, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	88EEA5
RGB	136, 238, 165
RGB Percent	53%, 93%, 65%
CMY	0.4669, 0.0666, 0.3529
CMYK	0.43, 0.00, 0.31, 0.07
HSL	137°, 75%, 73%
HSV	137°, 43%, 93%
XYZ	47.5123, 69.0999, 46.4362
YIQ	199.1800, -37.3590, -44.3270

Conversions

Conversions Part 2

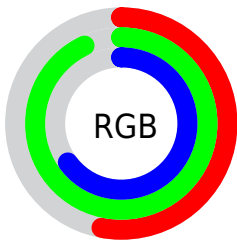
Format	Color
RYB	136, 215, 238
Decimal	8973989
CIELab	86.55, -45.22, 26.27
CIElCh	87, 52.300, 149.844
Yxy	69.0999, 0.2914, 0.4238
Android (android.graphics.Color)	4287164069 (0xFF88EEA5)
YUV	199.1800, -16.8507, -55.4089
Hunter-Lab	83.1263, -43.4464, 25.0678

Details

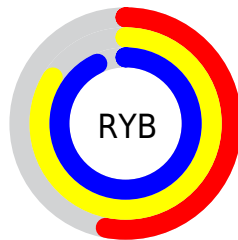
The Yxy color **69.0999, 0.2914, 0.4238** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.3700, 0.3449, 0.2506**, and the grayscale version is **57.3444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0248, 0.2949, 0.3673**, and **35.9023, 0.2842, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **66.7482, 0.2879, 0.4509**, and if you desaturate by 10%, it is **71.9821, 0.2957, 0.3981**.

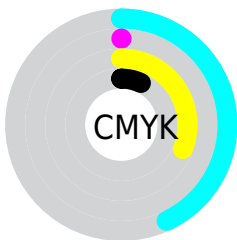
Distribution



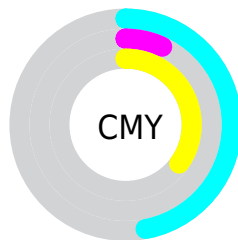
- Red (53%)
- Green (93%)
- Blue (65%)



- Red (53%)
- Yellow (84%)
- Blue (93%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (47%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0999, 0.2914, 0.4238 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 69.0999, 0.2914, 0.4238 by changing the saturation by 10% instead.


 69.0999, 0.2914,
0.4238


 69.0999, 0.2914,
0.4238


457.3832, 0.3028,
0.3768


 50.7931, 0.2884,
0.4353


 117.9243, 0.2957,
0.4069

 36.0440, 0.2844,
0.4499


 149.2106, 0.2972,
0.4005

 24.4681, 0.2791,
0.4691


 185.5922, 0.2985,
0.3950

 15.6813, 0.2714,
0.4953

227.4534, 0.2996,
0.3904

 9.2989, 0.2596,
0.5327

275.1788, 0.3006,
0.3863

 4.9366, 0.2399,
0.5901

329.1526, 0.3014,

 2.2101, 0.2122,

0.3828

0.7351

389.7593, 0.3021,
0.3796

0.7255, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.0999, 0.2914,
0.4238

69.0999, 0.2914,
0.4238

66.7482, 0.2879,
0.4509

71.9821, 0.2957,
0.3981

64.8857, 0.2857,
0.4786


75.4164, 0.3006,
0.3745


63.4784, 0.2849,
0.5058


79.4331, 0.3059,
0.3531


62.4844, 0.2858,
0.5309

84.0580, 0.3112,
0.3341

 61.8531, 0.2882,
0.5527

 89.3155, 0.3164,
0.3173

 61.5717, 0.2905,
0.5657

 89.6368, 0.3135,
0.3127

Harmonies

Analogous

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



69.0999, 0.3537, 0.4465



69.0999, 0.2914, 0.4238



69.0999, 0.2380, 0.3653

Triad

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



69.0999, 0.2914, 0.4238



69.0999, 0.2199, 0.2316



69.0999, 0.4320, 0.3390

Complementary

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



69.0999, 0.2914, 0.4238



40.3700, 0.3449, 0.2506

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.



69.0999, 0.3886, 0.2923



69.0999, 0.2914, 0.4238



69.0999, 0.2631, 0.2332

Square

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



69.0999, 0.2914, 0.4238



69.0999, 0.2004, 0.2534



69.0999, 0.3245, 0.2549



69.0999, 0.4382, 0.3877

Rectangle

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



69.0999, 0.2914, 0.4238



69.0999, 0.2140, 0.3207



69.0999, 0.3245, 0.2549



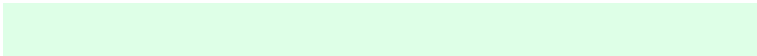
69.0999, 0.4212, 0.3229

Sweetspot

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



69.1028, 0.2914, 0.4238



92.8120, 0.3058, 0.3534



76.5012, 0.3553, 0.4431



19.6305, 0.3046, 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.



69.1028, 0.2914, 0.4238



78.4847, 0.2885, 0.4463



71.3382, 0.2651, 0.3561



17.7304, 0.3077, 0.3463



34.3657, 0.2897, 0.5630



2.8754, 0.2826, 0.5372

Inverse Universe

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



40.3700, 0.3449, 0.2506



40.9741, 0.3535, 0.2366



38.2401, 0.4000, 0.3045



15.9501, 0.3182, 0.3123



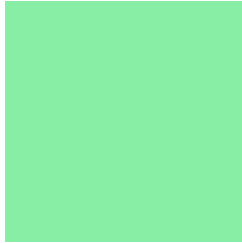
11.7878, 0.4089, 0.2026



0.9977, 0.3946, 0.1947

Previews

White Background



This preview shows how the Yxy color 69.0999, 0.2914, 0.4238 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 69.0999, 0.2914, 0.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

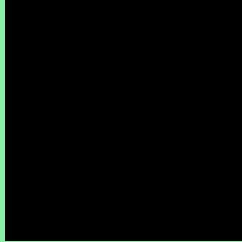
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0999, 0.2914, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 69.0999, 0.2914, 0.4238.



This preview shows how white text looks on a background with the Yxy color 69.0999, 0.2914, 0.4238.

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

69.0999, 0.2914, 0.4238

Protanopia

68.1232, 0.3682, 0.3951

Deuteranopia

68.1134, 0.3735, 0.3659



Tritanopia

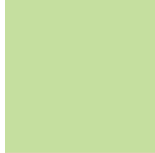
69.0107, 0.2574, 0.3078

Trichromacy



Original Color

69.0999, 0.2914, 0.4238



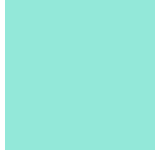
Protanomaly

67.1489, 0.3361, 0.4054



Deuteranomaly

66.5627, 0.3395, 0.3861



Tritanomaly

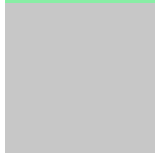
68.9260, 0.2691, 0.3473

Monochromacy



Original Color

69.0999, 0.2914, 0.4238



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.4065, 0.3033, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0999, 0.2914, 0.4238 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(136, 238, 165)` looks like.

```
.text, #text, p{  
    color:rgb(136, 238, 165)  
}
```

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(136, 238, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 238, 165) }
```

Border

The CSS property to change the border of an element to Yxy 69.0999, 0.2914, 0.4238 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(136, 238, 165) }
```

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

```
.border{ border-color:rgb(136, 238, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 238, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 238, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 238, 165); box-shadow:4px 4px 4px 4px rgb(136, 238, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0999, 0.2914, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 238, 165) }
```

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

```
.background{ background-color: rgb(136,  
238, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor