

Converting Colors

$Yxy(67.4955, 0.3083, 0.4232)$

Have a look what the booklet for
Yxy(67.4955, 0.3083, 0.4232)
contains.

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Color

Yxy(67.4509, 0.3083, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	9EE89E
RGB	158, 232, 158
RGB Percent	62%, 91%, 62%
CMY	0.3804, 0.0902, 0.3805
CMYK	0.32, 0.00, 0.32, 0.09
HSL	120°, 62%, 76%
HSV	120°, 32%, 91%
XYZ	49.1262, 67.4509, 42.7683
YIQ	201.4380, -20.3500, -38.7020

Conversions

Conversions Part 2

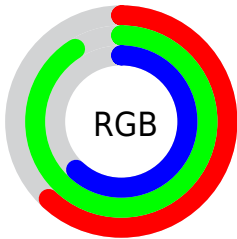
Format	Color
RYB	158, 232, 232
Decimal	10414238
CIELab	85.73, -37.23, 28.93
CIELCh	86, 47.151, 142.156
Yxy	67.4509, 0.3083, 0.4233
Android (android.graphics.Color)	4288604318 (0xFF9EE89E)
YUV	201.4380, -21.4149, -38.0951
Hunter-Lab	82.1285, -36.9529, 26.6148

Details

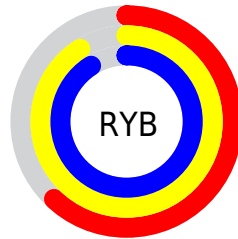
The Yxy color **67.4509, 0.3083, 0.4233** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.4288, 0.3164, 0.2498**, and the grayscale version is **58.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6202, 0.3112, 0.3736**, and **35.0343, 0.3055, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **64.5945, 0.3066, 0.4588**, and if you desaturate by 10%, it is **70.9078, 0.3099, 0.3901**.

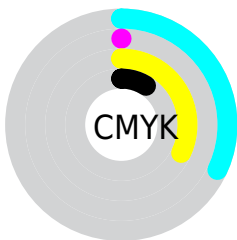
Distribution



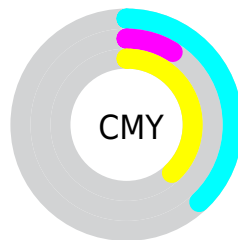
- Red (62%)
- Green (91%)
- Blue (62%)



- Red (62%)
- Yellow (91%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (32%)
- Black (9%)




- Cyan (38%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4509, 0.3083, 0.4233 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 67.4509, 0.3083, 0.4233 by changing the saturation by 10% instead.


 67.4509, 0.3083,
0.4233

 67.4509, 0.3083,
0.4233


451.5481, 0.3118,
0.3767

 49.4511, 0.3071,
0.4347


 115.5663, 0.3098,
0.4065

 34.9775, 0.3054,
0.4492


 146.4507, 0.3103,
0.4002

 23.6455, 0.3027,
0.4681


182.3988, 0.3107,
0.3948

 15.0709, 0.2986,
0.4938

223.7949, 0.3110,
0.3901

 8.8692, 0.2914,
0.5304

271.0235, 0.3113,
0.3861

 4.6559, 0.2777,
0.5859

324.4690, 0.3115,

 2.0468, 0.2672,

0.3826

0.7328

384.5157, 0.3116,
0.3794

0.6345, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.4509, 0.3083,
0.4233

67.4509, 0.3083,
0.4233

64.5945, 0.3066,
0.4588

70.9078, 0.3099,
0.3901

62.2964, 0.3049,
0.4948

74.9875, 0.3113,
0.3601

60.5226, 0.3033,
0.5291

79.7217, 0.3125,
0.3337

59.2319, 0.3019,
0.5587

85.1373, 0.3136,
0.3106

■ 58.3768, 0.3009,
0.5810

■ 86.1973, 0.3138,
0.3068

■ 57.9001, 0.3003,
0.5946

■ 57.7176, 0.3000,
0.6000

Harmonies

Analogous

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



67.4509, 0.3649, 0.4346



67.4509, 0.3083, 0.4233



67.4509, 0.2557, 0.3772

Triad

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



67.4509, 0.3083, 0.4233



67.4509, 0.2207, 0.2427



67.4509, 0.4138, 0.3275

Complementary

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



67.4509, 0.3083, 0.4233



47.4288, 0.3164, 0.2498

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.



67.4509, 0.3678, 0.2856



67.4509, 0.3083, 0.4233



67.4509, 0.2554, 0.2385

Square

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



67.4509, 0.3083, 0.4233



67.4509, 0.2085, 0.2692



67.4509, 0.3084, 0.2541



67.4509, 0.4290, 0.3727

Rectangle

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



67.4509, 0.3083, 0.4233



67.4509, 0.2297, 0.3372



67.4509, 0.3084, 0.2541



67.4509, 0.4013, 0.3128

Sweetspot

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



67.4538, 0.3083, 0.4233



93.9462, 0.3115, 0.3549



76.6501, 0.3612, 0.4074



19.9406, 0.3113, 0.3589



0.0000, 0.0000, 0.0000



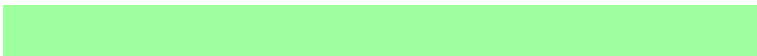
21.4041, 0.3127, 0.3290

Same Dimension

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



67.4538, 0.3083, 0.4233



81.2730, 0.3073, 0.4454



68.8688, 0.2879, 0.3764



16.0893, 0.3116, 0.3533



32.0403, 0.3000, 0.6000



2.3677, 0.3000, 0.6000

Inverse Universe

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



47.4288, 0.3164, 0.2498



52.9647, 0.3171, 0.2348



45.6002, 0.3483, 0.2862



14.6151, 0.3138, 0.3059



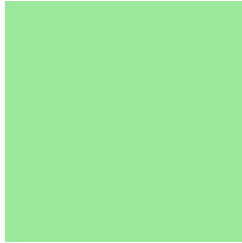
12.7551, 0.3209, 0.1541



0.9426, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 67.4509, 0.3083, 0.4233 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 67.4509, 0.3083, 0.4233 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 67.4509, 0.3083, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 67.4509, 0.3083, 0.4233.



This preview shows how white text looks on a background with the Yxy color 67.4509, 0.3083, 0.4233.

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

67.4509, 0.3083, 0.4233

Protanopia

66.6135, 0.3709, 0.3989

Deuteranopia

66.6670, 0.3796, 0.3724



Tritanopia

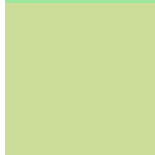
67.3588, 0.2705, 0.3092

Trichromacy



Original Color

67.4509, 0.3083, 0.4233



Protanomaly

66.3237, 0.3460, 0.4080



Deuteranomaly

65.9612, 0.3513, 0.3899



Tritanomaly

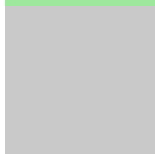
67.3707, 0.2842, 0.3483

Monochromacy



Original Color

67.4509, 0.3083, 0.4233



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.9040, 0.3112, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4509, 0.3083, 0.4233 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(158, 232, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 232, 158)  
}
```

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(158, 232, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 232, 158) }
```

Border

The CSS property to change the border of an element to Yxy 67.4509, 0.3083, 0.4233 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(158, 232, 158) }
```

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

```
.border{ border-color:rgb(158, 232, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 232, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 232, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 232, 158);  
box-shadow:4px 4px 4px 4px rgb(158, 232,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4509, 0.3083, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 232, 158) }
```

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

```
.background{ background-color: rgb(158,  
232, 158) }
```

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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