

Converting Colors

$Yxy(63.2139, 0.3005, 0.4329)$

Have a look what the booklet for
Yxy(63.2139, 0.3005, 0.4329)
contains.

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Color

Yxy(63.0921, 0.3004, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	8AE496
RGB	138, 228, 150
RGB Percent	54%, 89%, 59%
CMY	0.4591, 0.1058, 0.4117
CMYK	0.40, 0.00, 0.34, 0.11
HSL	128°, 63%, 72%
HSV	128°, 40%, 89%
XYZ	43.7206, 63.0921, 38.7285
YIQ	192.1980, -28.6020, -43.3380

Conversions

Conversions Part 2

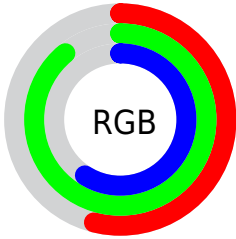
Format	Color
RYB	138, 217, 228
Decimal	9102486
CIELab	83.49, -42.87, 29.83
CIELCh	83, 52.228, 145.169
Yxy	63.0921, 0.3004, 0.4335
Android (android.graphics.Color)	4287292566 (0xFF8AE496)
YUV	192.1980, -20.8036, -47.5316
Hunter-Lab	79.4305, -40.7525, 26.6929

Details

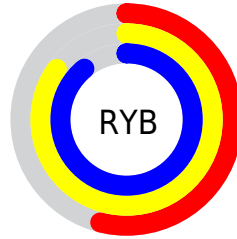
The Yxy color **63.0921, 0.3004, 0.4335** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.6071, 0.3284, 0.2433**, and the grayscale version is **52.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5299, 0.3041, 0.3842**, and **32.2259, 0.2956, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **60.7676, 0.2979, 0.4655**, and if you desaturate by 10%, it is **65.9372, 0.3034, 0.4031**.

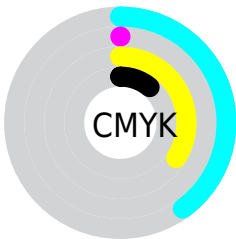
Distribution



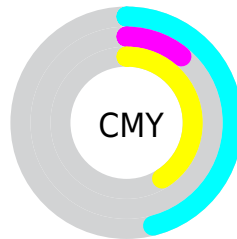
- Red (54%)
- Green (89%)
- Blue (59%)



- Red (54%)
- Yellow (85%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (34%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0921, 0.3004, 0.4335 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 63.0921, 0.3004, 0.4335 by changing the saturation by 10% instead.


 63.0921, 0.3004,
0.4335


 63.0921, 0.3004,
0.4335


435.9037, 0.3079,
0.3809


 45.9157, 0.2981,
0.4466


 109.3024, 0.3034,
0.4144

 32.1793, 0.2950,
0.4634


 139.1051, 0.3045,
0.4072

 21.4985, 0.2904,
0.4856


 173.8853, 0.3054,
0.4011

 13.4889, 0.2834,
0.5162

214.0275, 0.3061,
0.3959

 7.7660, 0.2717,
0.5604

259.9160, 0.3067,
0.3914

 3.9456, 0.2508,
0.6301

311.9353, 0.3072,

 1.6432, 0.1850,

0.3874

0.8150

370.4697, 0.3076,
0.3840

0.3865, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.0921, 0.3004,
0.4335

63.0921, 0.3004,
0.4335

60.7676, 0.2979,
0.4655

65.9372, 0.3034,
0.4031

58.9246, 0.2959,
0.4977


69.3235, 0.3065,
0.3752


57.5313, 0.2949,
0.5283

73.2801, 0.3097,
0.3501

56.5486, 0.2949,
0.5550


77.8317, 0.3129,
0.3280

 55.9303, 0.2958,
0.5760

 83.0014, 0.3159,
0.3087

 55.6046, 0.2974,
0.5902

 83.9756, 0.3139,
0.3029

 55.5923, 0.2974,
0.5908

Harmonies

Analogous

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



63.0921, 0.3643, 0.4496



63.0921, 0.3004, 0.4335



63.0921, 0.2431, 0.3771

Triad

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



63.0921, 0.3004, 0.4335



63.0921, 0.2127, 0.2308



63.0921, 0.4308, 0.3312

Complementary

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



63.0921, 0.3004, 0.4335



39.6071, 0.3284, 0.2433

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.



63.0921, 0.3813, 0.2845



63.0921, 0.3004, 0.4335



63.0921, 0.2533, 0.2291

Square

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



63.0921, 0.3004, 0.4335



63.0921, 0.1967, 0.2569



63.0921, 0.3142, 0.2484



63.0921, 0.4435, 0.3813

Rectangle

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



63.0921, 0.3004, 0.4335



63.0921, 0.2160, 0.3307



63.0921, 0.3142, 0.2484



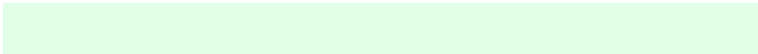
63.0921, 0.4178, 0.3149

Sweetspot

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



63.0947, 0.3004, 0.4335



93.0607, 0.3089, 0.3562



71.9280, 0.3626, 0.4300



19.7716, 0.3085, 0.3595



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.



63.0947, 0.3004, 0.4335



78.9248, 0.2984, 0.4583



64.8320, 0.2754, 0.3715



16.1205, 0.3097, 0.3500



32.1058, 0.2970, 0.5892



2.3826, 0.2911, 0.5679

Inverse Universe

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



39.6071, 0.3284, 0.2433



44.8579, 0.3322, 0.2275



37.5911, 0.3747, 0.2909



14.5802, 0.3158, 0.3089



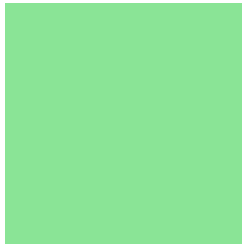
11.8764, 0.3578, 0.1745



0.8869, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 63.0921, 0.3004, 0.4335 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 63.0921, 0.3004, 0.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

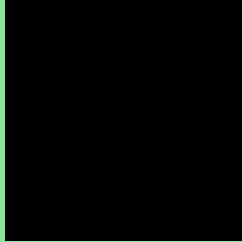
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0921, 0.3004, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 63.0921, 0.3004, 0.4335.



This preview shows how white text looks on a background with the Yxy color 63.0921, 0.3004, 0.4335.

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

63.0921, 0.3004, 0.4335

Protanopia

62.3960, 0.3746, 0.4040

Deuteranopia

62.0556, 0.3827, 0.3734



Tritanopia

62.5924, 0.2617, 0.3071

Trichromacy



Original Color

63.0921, 0.3004, 0.4335



Protanomaly

61.9520, 0.3447, 0.4160



Deuteranomaly

60.9132, 0.3489, 0.3950



Tritanomaly

62.4621, 0.2758, 0.3505

Monochromacy



Original Color

63.0921, 0.3004, 0.4335



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.6076, 0.3073, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0921, 0.3004, 0.4335 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(138, 228, 150)` looks like.

```
.text, #text, p{  
    color:rgb(138, 228, 150)  
}
```

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(138, 228, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 228, 150) }
```

Border

The CSS property to change the border of an element to Yxy 63.0921, 0.3004, 0.4335 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(138, 228, 150) }
```

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

```
.border{ border-color:rgb(138, 228, 150) }
```

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

Here you see how a box with a 4 pixel rgb(138, 228, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 228, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 228, 150);  
box-shadow:4px 4px 4px 4px rgb(138, 228,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0921, 0.3004, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 228, 150) }
```

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

```
.background{ background-color: rgb(138,  
228, 150) }
```

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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