

Converting Colors

$Yxy(66.1336, 0.2879, 0.4061)$

Have a look what the booklet for
Yxy(66.1336, 0.2879, 0.4061)
contains.

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Color

Yxy(66.1336, 0.2879, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	8AE8AD
RGB	138, 232, 173
RGB Percent	54%, 91%, 68%
CMY	0.4587, 0.0902, 0.3215
CMYK	0.41, 0.00, 0.25, 0.09
HSL	142°, 67%, 73%
HSV	142°, 41%, 91%
XYZ	46.8847, 66.1336, 49.8323
YIQ	197.1680, -37.0850, -38.2770

Conversions

Conversions Part 2

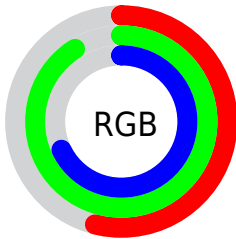
Format	Color
RYB	138, 206, 232
Decimal	9103533
CIELab	85.06, -40.56, 20.12
CIELCh	85, 45.276, 153.614
Yxy	66.1336, 0.2879, 0.4061
Android (android.graphics.Color)	4287293613 (0xFF8AE8AD)
YUV	197.1680, -11.9148, -51.8903
Hunter-Lab	81.3226, -39.4044, 20.5945

Details

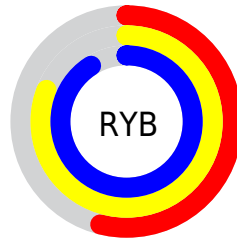
The Yxy color **66.1336, 0.2879, 0.4061** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.3737, 0.3509, 0.2634**, and the grayscale version is **56.0374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7792, 0.2912, 0.3571**, and **34.2006, 0.2807, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **63.8303, 0.2834, 0.4296**, and if you desaturate by 10%, it is **68.9265, 0.2933, 0.3842**.

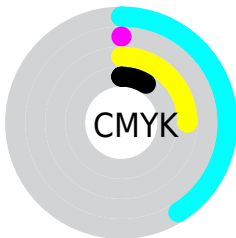
Distribution



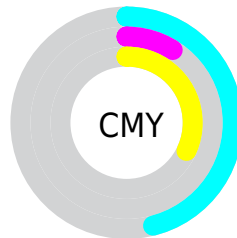
- Red (54%)
- Green (91%)
- Blue (68%)



- Red (54%)
- Yellow (81%)
- Blue (91%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)





- Cyan (46%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1336, 0.2879, 0.4061 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 66.1336, 0.2879, 0.4061 by changing the saturation by 10% instead.

 66.1336, 0.2879,
0.4061


 66.1336, 0.2879,
0.4061

446.8545, 0.3005,
0.3679

 48.3809, 0.2847,
0.4155


 113.6781, 0.2925,
0.3923

 34.1286, 0.2806,
0.4275


 144.2386, 0.2942,
0.3871

 22.9924, 0.2751,
0.4432


 179.8371, 0.2957,
0.3827

 14.5879, 0.2674,
0.4648

220.8582, 0.2969,
0.3789

 8.5307, 0.2559,
0.4961

267.6860, 0.2980,
0.3756

 4.4364, 0.2373,
0.5450

320.7051, 0.2990,

 1.9205, 0.2034,

0.3727

0.6567

380.2998, 0.2998,
0.3702

0.5607, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.1336, 0.2879,
0.4061

66.1336, 0.2879,
0.4061

63.8303, 0.2834,
0.4296

68.9265, 0.2933,
0.3842

61.9793, 0.2802,
0.4540


72.2274, 0.2994,
0.3640


60.5509, 0.2787,
0.4786


76.0636, 0.3058,
0.3459


59.5082, 0.2789,
0.5025

80.4583, 0.3124,
0.3298

 58.8076, 0.2810,
0.5246

 85.4330, 0.3189,
0.3155

 58.3906, 0.2842,
0.5433

 86.1930, 0.3138,
0.3068

Harmonies

Analogous

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



66.1336, 0.3430, 0.4311



66.1336, 0.2879, 0.4061



66.1336, 0.2420, 0.3537

Triad

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



66.1336, 0.2879, 0.4061



66.1336, 0.2339, 0.2413



66.1336, 0.4201, 0.3445

Complementary

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



66.1336, 0.2879, 0.4061



39.3737, 0.3509, 0.2634

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.



66.1336, 0.3856, 0.3017



66.1336, 0.2879, 0.4061



66.1336, 0.2753, 0.2449

Square

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



66.1336, 0.2879, 0.4061



66.1336, 0.2134, 0.2588



66.1336, 0.3308, 0.2665



66.1336, 0.4218, 0.3876

Rectangle

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



66.1336, 0.2879, 0.4061



66.1336, 0.2221, 0.3155



66.1336, 0.3308, 0.2665



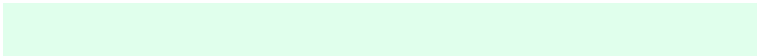
66.1336, 0.4119, 0.3298

Sweetspot

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



66.1363, 0.2879, 0.4061



93.4752, 0.3048, 0.3486



71.4928, 0.3474, 0.4387



19.8686, 0.3040, 0.3509



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.



66.1363, 0.2879, 0.4061



79.4266, 0.2839, 0.4266



68.2582, 0.2633, 0.3444



16.1775, 0.3065, 0.3441



32.4387, 0.2834, 0.5403



2.4146, 0.2752, 0.5106

Inverse Universe

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



39.3737, 0.3509, 0.2634



41.8168, 0.3625, 0.2499



37.5616, 0.4017, 0.3149



14.5195, 0.3195, 0.3143



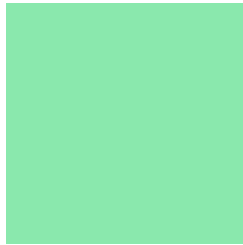
10.6954, 0.4424, 0.2211



0.8082, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 66.1336, 0.2879, 0.4061 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 66.1336, 0.2879, 0.4061 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 66.1336, 0.2879, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 66.1336, 0.2879, 0.4061.



This preview shows how white text looks on a background with the Yxy color 66.1336, 0.2879, 0.4061.

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

66.1336, 0.2879, 0.4061

Protanopia

65.2404, 0.3581, 0.3833

Deuteranopia

65.0212, 0.3628, 0.3550



Tritanopia

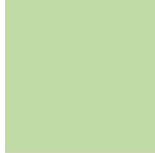
65.8985, 0.2585, 0.3075

Trichromacy



Original Color

66.1336, 0.2879, 0.4061



Protanomaly

64.7905, 0.3285, 0.3920



Deuteranomaly

64.2466, 0.3316, 0.3727



Tritanomaly

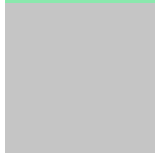
65.6465, 0.2693, 0.3413

Monochromacy



Original Color

66.1336, 0.2879, 0.4061



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.9541, 0.3026, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1336, 0.2879, 0.4061 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, 232, 173)` looks like.

```
.text, #text, p{  
    color:rgb(138, 232, 173)  
}
```

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, 232, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 232, 173) }
```

Border

The CSS property to change the border of an element to Yxy 66.1336, 0.2879, 0.4061 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, 232, 173) }
```

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

```
.border{ border-color:rgb(138, 232, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 232, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 232, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 232, 173);  
box-shadow:4px 4px 4px 4px rgb(138, 232,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1336, 0.2879, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 232, 173) }
```

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

```
.background{ background-color: rgb(138,  
232, 173) }
```

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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