

Converting Colors

$Y_{xy}(67.6280, 0.2915, 0.4222)$

Have a look what the booklet for
Yxy(67.6280, 0.2915, 0.4222)
contains.

Yxy(67.9055, 0.2919, 0.4230)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9055, 0.2919, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	88ECA4
RGB	136, 236, 164
RGB Percent	53%, 93%, 64%
CMY	0.4664, 0.0745, 0.3568
CMYK	0.42, 0.00, 0.30, 0.07
HSL	137°, 72%, 73%
HSV	137°, 42%, 93%
XYZ	46.8596, 67.9055, 45.7680
YIQ	197.8920, -36.4880, -43.5920

Conversions

Conversions Part 2

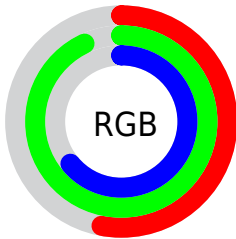
Format	Color
R _Y B	136, 214, 236
Decimal	8973476
CIE Lab	85.96, -44.49, 25.97
CIE LCh	86, 51.513, 149.721
Yxy	67.9055, 0.2919, 0.4230
Android (android.graphics.Color)	4287163556 (0xFF88ECA4)
YUV	197.8920, -16.7088, -54.2793
Hunter-Lab	82.4048, -42.7041, 24.7534

Details

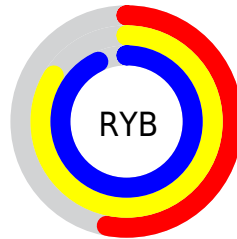
The Yxy color **67.9055, 0.2919, 0.4230** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.0169, 0.3439, 0.2511**, and the grayscale version is **56.5352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9719, 0.2954, 0.3684**, and **35.0723, 0.2845, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **65.5700, 0.2884, 0.4503**, and if you desaturate by 10%, it is **70.7637, 0.2962, 0.3972**.

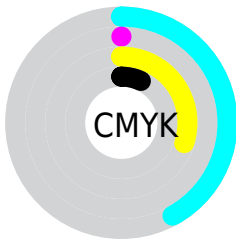
Distribution



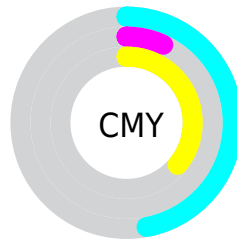
- Red (53%)
- Green (93%)
- Blue (64%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (47%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9055, 0.2919, 0.4230 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 67.9055, 0.2919, 0.4230 by changing the saturation by 10% instead.


 67.9055, 0.2919,
0.4230

 67.9055, 0.2919,
0.4230


453.1611, 0.3030,
0.3763


 49.8209, 0.2889,
0.4345


 116.2169, 0.2961,
0.4061

 35.2711, 0.2850,
0.4491


 147.2125, 0.2976,
0.3998

 23.8718, 0.2797,
0.4683


 183.2806, 0.2989,
0.3944

 15.2385, 0.2721,
0.4945

224.8054, 0.3000,
0.3898

 8.9870, 0.2603,
0.5322

272.1715, 0.3009,
0.3857

 4.7327, 0.2405,
0.5902

325.7632, 0.3017,

 2.0913, 0.2125,

0.3822

0.7489

385.9650, 0.3024,
0.3791

0.6597, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.9055, 0.2919,
0.4230

67.9055, 0.2919,
0.4230

65.5700, 0.2884,
0.4503

70.7637, 0.2962,
0.3972

63.7168, 0.2861,
0.4781


74.1655, 0.3011,
0.3735


62.3129, 0.2853,
0.5054

78.1408, 0.3063,
0.3521


61.3173, 0.2860,
0.5307

82.7148, 0.3115,
0.3331

 60.6811, 0.2884,
0.5527

 87.9113, 0.3167,
0.3164

 60.3803, 0.2908,
0.5668

 88.4669, 0.3136,
0.3107

Harmonies

Analogous

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



67.9055, 0.3537, 0.4454



67.9055, 0.2919, 0.4230



67.9055, 0.2388, 0.3652

Triad

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



67.9055, 0.2919, 0.4230



67.9055, 0.2205, 0.2324



67.9055, 0.4308, 0.3388

Complementary

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



67.9055, 0.2919, 0.4230



40.0169, 0.3439, 0.2511

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.



67.9055, 0.3877, 0.2925



67.9055, 0.2919, 0.4230



67.9055, 0.2634, 0.2339

Square

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



67.9055, 0.2919, 0.4230



67.9055, 0.2012, 0.2542



67.9055, 0.3242, 0.2554



67.9055, 0.4372, 0.3872

Rectangle

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



67.9055, 0.2919, 0.4230



67.9055, 0.2149, 0.3211



67.9055, 0.3242, 0.2554



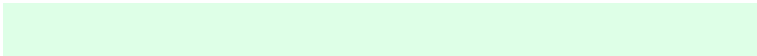
67.9055, 0.4200, 0.3228

Sweetspot

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



67.9083, 0.2919, 0.4230



92.8023, 0.3059, 0.3536



75.3726, 0.3560, 0.4411



19.6281, 0.3047, 0.3582



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.



67.9083, 0.2919, 0.4230



78.4609, 0.2888, 0.4471



70.0150, 0.2664, 0.3579



16.9314, 0.3078, 0.3464



33.3039, 0.2900, 0.5641



2.6311, 0.2824, 0.5368

Inverse Universe

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



40.0169, 0.3439, 0.2511



41.0093, 0.3528, 0.2360



37.9773, 0.3964, 0.3029



15.2377, 0.3181, 0.3122



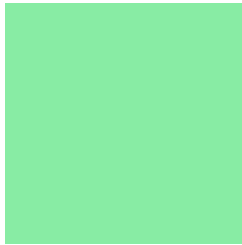
11.4526, 0.4069, 0.2015



0.9155, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 67.9055, 0.2919, 0.4230 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 67.9055, 0.2919, 0.4230 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 67.9055, 0.2919, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 67.9055, 0.2919, 0.4230.

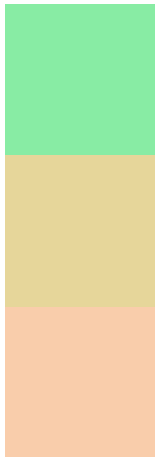


This preview shows how white text looks on a background with the Yxy color 67.9055, 0.2919, 0.4230.

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

67.9055, 0.2919, 0.4230

Protanopia

67.2492, 0.3677, 0.3955

Deuteranopia

66.7427, 0.3733, 0.3651



Tritanopia

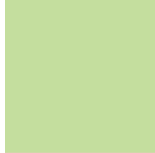
67.7944, 0.2580, 0.3077

Trichromacy



Original Color

67.9055, 0.2919, 0.4230



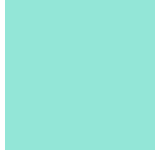
Protanomaly

66.4469, 0.3362, 0.4057



Deuteranomaly

65.3488, 0.3398, 0.3853



Tritanomaly

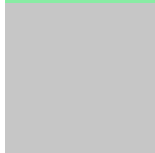
67.7030, 0.2699, 0.3474

Monochromacy



Original Color

67.9055, 0.2919, 0.4230



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.7461, 0.3032, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9055, 0.2919, 0.4230 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, 236, 164)` looks like.

```
.text, #text, p{  
    color:rgb(136, 236, 164)  
}
```

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, 236, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 236, 164) }
```

Border

The CSS property to change the border of an element to Yxy 67.9055, 0.2919, 0.4230 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, 236, 164) }
```

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

```
.border{ border-color:rgb(136, 236, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 236, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 236, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 236, 164); box-shadow:4px 4px 4px 4px rgb(136, 236, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9055, 0.2919, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 236, 164) }
```

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

```
.background{ background-color: rgb(136,  
236, 164) }
```

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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