

Converting Colors

Yxy(67.1111, 0.2956, 0.4339)

Have a look what the booklet for
Yxy(67.1111, 0.2956, 0.4339)
contains.

Yxy(66.9679, 0.2955, 0.4331)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.9679, 0.2955, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	87EB9C
RGB	135, 235, 156
RGB Percent	53%, 92%, 61%
CMY	0.4709, 0.0784, 0.3883
CMYK	0.43, 0.00, 0.34, 0.08
HSL	133°, 71%, 73%
HSV	133°, 43%, 92%
XYZ	45.6916, 66.9679, 41.9651
YIQ	196.0940, -34.2410, -45.7690

Conversions

Conversions Part 2

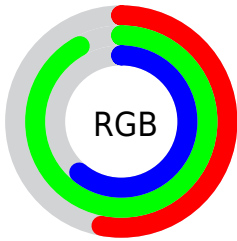
Format	Color
RYB	135, 218, 235
Decimal	8907676
CIELab	85.49, -45.76, 29.43
CIELCh	85, 54.410, 147.254
Yxy	66.9679, 0.2955, 0.4331
Android (android.graphics.Color)	4287097756 (0xFF87EB9C)
YUV	196.0940, -19.7663, -53.5794
Hunter-Lab	81.8339, -43.5448, 26.8793

Details

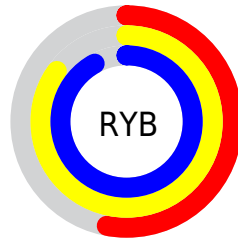
The Yxy color **66.9679, 0.2955, 0.4331** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.8263, 0.3372, 0.2440**, and the grayscale version is **55.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4296, 0.2991, 0.3776**, and **34.4600, 0.2889, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **64.6516, 0.2926, 0.4629**, and if you desaturate by 10%, it is **69.8159, 0.2991, 0.4048**.

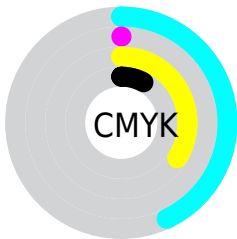
Distribution



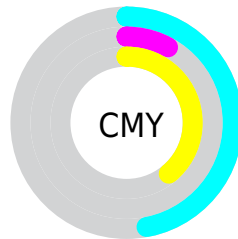
- Red (53%)
- Green (92%)
- Blue (61%)



- Red (53%)
- Yellow (85%)
- Blue (92%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (47%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9679, 0.2955, 0.4331 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 66.9679, 0.2955, 0.4331 by changing the saturation by 10% instead.


 66.9679, 0.2955,
0.4331

 66.9679, 0.2955,
0.4331


449.8305, 0.3053,
0.3811

 49.0585, 0.2927,
0.4459


 114.8744, 0.2993,
0.4143

 34.6659, 0.2890,
0.4623

 145.6404, 0.3006,
0.4072

 23.4056, 0.2839,
0.4838


 181.4606, 0.3018,
0.4012

 14.8933, 0.2762,
0.5132

222.7196, 0.3027,
0.3960

 8.7445, 0.2640,
0.5554

269.8017, 0.3035,
0.3916

 4.5749, 0.2427,
0.6197

323.0913, 0.3042,

 2.0001, 0.2040,

0.3877

0.7960

382.9727, 0.3048,
0.3842

0.6075, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.9679, 0.2955,
0.4331

66.9679, 0.2955,
0.4331

64.6516, 0.2926,
0.4629

69.8159, 0.2991,
0.4048

62.8257, 0.2907,
0.4929


73.2175, 0.3031,
0.3786


61.4562, 0.2900,
0.5216


77.2030, 0.3074,
0.3550


60.5010, 0.2907,
0.5472

81.7985, 0.3116,
0.3340

 59.9099, 0.2926,
0.5682

 87.0284, 0.3158,
0.3156

 59.6511, 0.2945,
0.5803

 87.9055, 0.3136,
0.3098

Harmonies

Analogous

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



66.9679, 0.3608, 0.4526



66.9679, 0.2955, 0.4331



66.9679, 0.2383, 0.3732

Triad

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



66.9679, 0.2955, 0.4331



66.9679, 0.2129, 0.2281



66.9679, 0.4356, 0.3346

Complementary

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



66.9679, 0.2955, 0.4331



39.8263, 0.3372, 0.2440

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.



66.9679, 0.3871, 0.2866



66.9679, 0.2955, 0.4331



66.9679, 0.2558, 0.2280

Square

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



66.9679, 0.2955, 0.4331



66.9679, 0.1949, 0.2527



66.9679, 0.3189, 0.2489



66.9679, 0.4455, 0.3855

Rectangle

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



66.9679, 0.2955, 0.4331



66.9679, 0.2119, 0.3258



66.9679, 0.3189, 0.2489



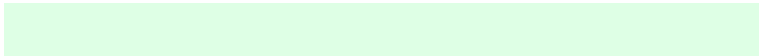
66.9679, 0.4231, 0.3179

Sweetspot

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



66.9707, 0.2955, 0.4331



92.6733, 0.3072, 0.3560



75.6197, 0.3612, 0.4398



19.5966, 0.3062, 0.3611



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.



66.9707, 0.2955, 0.4331



78.1535, 0.2929, 0.4588



68.9780, 0.2696, 0.3667



16.9140, 0.3087, 0.3481



33.2086, 0.2939, 0.5780



2.6214, 0.2869, 0.5529

Inverse Universe

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



39.8263, 0.3372, 0.2440



41.4958, 0.3438, 0.2282



37.6885, 0.3895, 0.2953



15.2563, 0.3170, 0.3106



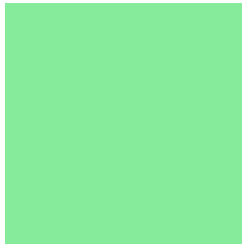
11.8116, 0.3824, 0.1880



0.9411, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 66.9679, 0.2955, 0.4331 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 66.9679, 0.2955, 0.4331 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 66.9679, 0.2955, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 66.9679, 0.2955, 0.4331.



This preview shows how white text looks on a background with the Yxy color 66.9679, 0.2955, 0.4331.

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

66.9679, 0.2955, 0.4331

Protanopia

65.9853, 0.3741, 0.4022

Deuteranopia

65.9698, 0.3799, 0.3725



Tritanopia

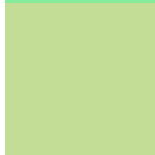
66.5921, 0.2587, 0.3076

Trichromacy



Original Color

66.9679, 0.2955, 0.4331



Protanomaly

64.9905, 0.3411, 0.4135



Deuteranomaly

64.5488, 0.3456, 0.3937



Tritanomaly

66.3930, 0.2717, 0.3501

Monochromacy



Original Color

66.9679, 0.2955, 0.4331



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.4281, 0.3059, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9679, 0.2955, 0.4331 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(135, 235, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 235, 156)  
}
```

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(135, 235, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 235, 156) }
```

Border

The CSS property to change the border of an element to Yxy 66.9679, 0.2955, 0.4331 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(135, 235, 156) }
```

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

```
.border{ border-color:rgb(135, 235, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 235, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 235, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 235, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 235,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9679, 0.2955, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 235, 156) }
```

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

```
.background{ background-color: rgb(135,  
235, 156) }
```

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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