

Converting Colors

Yxy(64.5867, 0.2954, 0.4304)

Have a look what the booklet for
Yxy(64.5867, 0.2954, 0.4304)
contains.

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Color

Yxy(64.5867, 0.2954, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	86E79B
RGB	134, 231, 155
RGB Percent	53%, 91%, 61%
CMY	0.4744, 0.0941, 0.3921
CMYK	0.42, 0.00, 0.33, 0.09
HSL	133°, 67%, 72%
HSV	133°, 42%, 91%
XYZ	44.3283, 64.5867, 41.1470
YIQ	193.3330, -33.4160, -44.2000

Conversions

Conversions Part 2

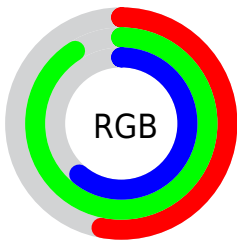
Format	Color
RYB	134, 214, 231
Decimal	8841115
CIELab	84.27, -44.45, 28.28
CIELCh	84, 52.686, 147.531
Yxy	64.5867, 0.2954, 0.4304
Android (android.graphics.Color)	4287031195 (0xFF86E79B)
YUV	193.3330, -18.8982, -52.0350
Hunter-Lab	80.3659, -42.1829, 25.8998

Details

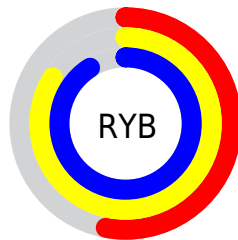
The Yxy color **64.5867, 0.2954, 0.4304** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.7014, 0.3373, 0.2458**, and the grayscale version is **53.6687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2495, 0.2991, 0.3788**, and **33.2589, 0.2892, 0.4598** is the 20% darker color. If you saturate the color by 10%, you get **62.3302, 0.2924, 0.4599**, and if you desaturate by 10%, it is **67.3543, 0.2991, 0.4024**.

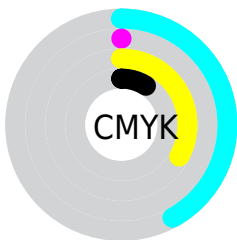
Distribution



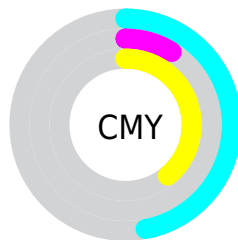
- Red (53%)
- Green (91%)
- Blue (61%)



- Red (53%)
- Yellow (84%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)




- Cyan (47%)
- Magenta (9%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5867, 0.2954, 0.4304 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 64.5867, 0.2954, 0.4304 by changing the saturation by 10% instead.


 64.5867, 0.2954,
0.4304


 64.5867, 0.2954,
0.4304


441.3053, 0.3052,
0.3795


 47.1260, 0.2926,
0.4431


 111.4555, 0.2992,
0.4119

 33.1353, 0.2889,
0.4592


 141.6323, 0.3006,
0.4050

 22.2301, 0.2837,
0.4806


 176.8167, 0.3017,
0.3991

 14.0261, 0.2760,
0.5099

217.3930, 0.3026,
0.3941

 8.1388, 0.2637,
0.5524

263.7456, 0.3034,
0.3897

 4.1839, 0.2419,
0.6181

316.2589, 0.3041,

 1.7770, 0.1899,

0.3859

0.8101

375.3174, 0.3047,
0.3825

0.4727, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5867, 0.2954,
0.4304

64.5867, 0.2954,
0.4304

62.3302, 0.2924,
0.4599

67.3543, 0.2991,
0.4024

60.5453, 0.2904,
0.4897


70.6536, 0.3032,
0.3766


59.2000, 0.2896,
0.5184


74.5136, 0.3075,
0.3534


58.2545, 0.2902,
0.5443

78.9591, 0.3119,
0.3328

 57.6612, 0.2921,
0.5657

 84.0131, 0.3161,
0.3147

 57.3816, 0.2942,
0.5791

 85.6314, 0.3138,
0.3058

Harmonies

Analogous

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



64.5867, 0.3595, 0.4501



64.5867, 0.2954, 0.4304



64.5867, 0.2393, 0.3717

Triad

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



64.5867, 0.2954, 0.4304



64.5867, 0.2150, 0.2298



64.5867, 0.4334, 0.3352

Complementary

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



64.5867, 0.2954, 0.4304



38.7014, 0.3373, 0.2458

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.



64.5867, 0.3862, 0.2879



64.5867, 0.2954, 0.4304



64.5867, 0.2574, 0.2298

Square

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



64.5867, 0.2954, 0.4304



64.5867, 0.1970, 0.2539



64.5867, 0.3195, 0.2506



64.5867, 0.4428, 0.3852

Rectangle

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



64.5867, 0.2954, 0.4304



64.5867, 0.2135, 0.3254



64.5867, 0.3195, 0.2506



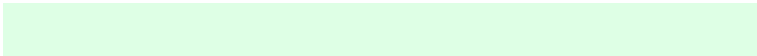
64.5867, 0.4213, 0.3187

Sweetspot

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



64.5894, 0.2954, 0.4304



92.6844, 0.3071, 0.3558



72.8120, 0.3605, 0.4381



19.5993, 0.3061, 0.3608



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.



64.5894, 0.2954, 0.4304



78.4402, 0.2929, 0.4548



66.4822, 0.2701, 0.3661



16.1400, 0.3086, 0.3479



32.1842, 0.2935, 0.5768



2.3919, 0.2861, 0.5498

Inverse Universe

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



38.7014, 0.3373, 0.2458



42.1367, 0.3437, 0.2306



36.6963, 0.3878, 0.2958



14.5590, 0.3171, 0.3108



11.4138, 0.3844, 0.1891



0.8568, 0.3733, 0.1830

Previews

White Background



This preview shows how the Yxy color 64.5867, 0.2954, 0.4304 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 64.5867, 0.2954, 0.4304 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 64.5867, 0.2954, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 64.5867, 0.2954, 0.4304.



This preview shows how white text looks on a background with the Yxy color 64.5867, 0.2954, 0.4304.

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

64.5867, 0.2954, 0.4304

Protanopia

63.8450, 0.3719, 0.4001

Deuteranopia

63.7944, 0.3784, 0.3711



Tritanopia

64.5613, 0.2592, 0.3085

Trichromacy



Original Color

64.5867, 0.2954, 0.4304



Protanomaly

63.1331, 0.3409, 0.4120



Deuteranomaly

62.5693, 0.3446, 0.3922



Tritanomaly

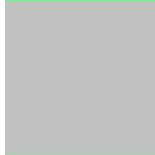
64.4242, 0.2718, 0.3503

Monochromacy



Original Color

64.5867, 0.2954, 0.4304



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.6510, 0.3058, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5867, 0.2954, 0.4304 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(134, 231, 155)` looks like.

```
.text, #text, p{  
    color:rgb(134, 231, 155)  
}
```

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(134, 231, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 231, 155) }
```

Border

The CSS property to change the border of an element to Yxy 64.5867, 0.2954, 0.4304 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(134, 231, 155) }
```

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

```
.border{ border-color:rgb(134, 231, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 231, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 231, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 231, 155);  
box-shadow:4px 4px 4px 4px rgb(134, 231,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5867, 0.2954, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 231, 155) }
```

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

```
.background{ background-color: rgb(134,  
231, 155) }
```

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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