

Converting Colors

Yxy(65.3404, 0.3157, 0.4529)

Have a look what the booklet for
Yxy(65.3404, 0.3157, 0.4529)
contains.

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Color

Yxy(65.4134, 0.3155, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	96E788
RGB	150, 231, 136
RGB Percent	59%, 91%, 53%
CMY	0.4117, 0.0941, 0.4666
CMYK	0.35, 0.00, 0.41, 0.09
HSL	111°, 66%, 72%
HSV	111°, 41%, 91%
XYZ	45.5986, 65.4134, 33.5161
YIQ	195.9510, -17.7810, -46.7170

Conversions

Conversions Part 2

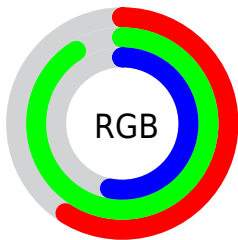
Format	Color
RYB	136, 231, 217
Decimal	9889672
CIELab	84.70, -42.62, 38.57
CIELCh	85, 57.483, 137.851
Yxy	65.4134, 0.3155, 0.4526
Android (android.graphics.Color)	4288079752 (0xFF96E788)
YUV	195.9510, -29.5558, -40.2990
Hunter-Lab	80.8786, -40.9008, 32.0452

Details

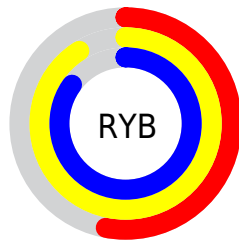
The Yxy color **65.4134, 0.3155, 0.4526** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.1311, 0.3046, 0.2240**, and the grayscale version is **55.3620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5031, 0.3198, 0.3998**, and **33.7329, 0.3131, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **63.1144, 0.3150, 0.4872**, and if you desaturate by 10%, it is **68.1735, 0.3154, 0.4187**.

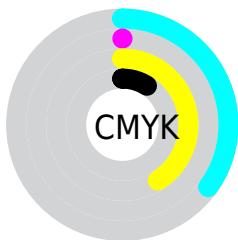
Distribution



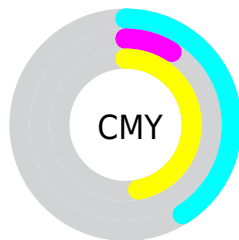
- Red (59%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4134, 0.3155, 0.4526 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 65.4134, 0.3155, 0.4526 by changing the saturation by 10% instead.

 65.4134, 0.3155,
0.4526

 65.4134, 0.3155,
0.4526


444.2761, 0.3166,
0.3908

 47.7964, 0.3145,
0.4678

 112.6440, 0.3165,
0.4303

 33.6657, 0.3128,
0.4870


 143.0263, 0.3167,
0.4218

 22.6369, 0.3098,
0.5121


 178.4326, 0.3168,
0.4147

 14.3256, 0.3044,
0.5460

219.2471, 0.3168,
0.4085

 8.3475, 0.2941,
0.5932

265.8543, 0.3168,
0.4032

 4.3181, 0.2792,
0.6769

318.6386, 0.3167,

 1.8530, 0.2145,

0.3986

0.7855

377.9844, 0.3167,
0.3944

0.5199, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.4134, 0.3155,
0.4526

65.4134, 0.3155,
0.4526

63.1144, 0.3150,
0.4872

68.1735, 0.3154,
0.4187

61.2433, 0.3138,
0.5205

71.4094, 0.3148,
0.3868


59.7756, 0.3118,
0.5500

75.1452, 0.3139,
0.3577

58.6808, 0.3092,
0.5735

79.4010, 0.3128,
0.3317

 57.9237, 0.3062,
0.5892

 84.1958, 0.3116,
0.3089

 57.4946, 0.3036,
0.5971

 85.6337, 0.3138,
0.3058

Harmonies

Analogous

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



65.4134, 0.3834, 0.4568



65.4134, 0.3155, 0.4526



65.4134, 0.2504, 0.3994

Triad

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



65.4134, 0.3155, 0.4526



65.4134, 0.1985, 0.2274



65.4134, 0.4313, 0.3178

Complementary

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



65.4134, 0.3155, 0.4526



38.1311, 0.3046, 0.2240

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.



65.4134, 0.3699, 0.2701



65.4134, 0.3155, 0.4526



65.4134, 0.2355, 0.2199

Square

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



65.4134, 0.3155, 0.4526



65.4134, 0.1881, 0.2616



65.4134, 0.2964, 0.2355



65.4134, 0.4554, 0.3711

Rectangle

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



65.4134, 0.3155, 0.4526



65.4134, 0.2174, 0.3488



65.4134, 0.2964, 0.2355



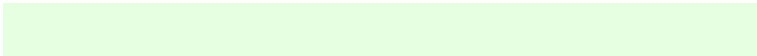
65.4134, 0.4140, 0.3009

Sweetspot

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



65.4162, 0.3155, 0.4526



93.5669, 0.3140, 0.3603



68.2659, 0.3799, 0.4172



19.8896, 0.3142, 0.3640



0.0000, 0.0000, 0.0000



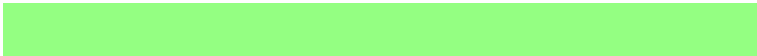
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4162, 0.3155, 0.4526



79.4727, 0.3151, 0.4808



65.2625, 0.2888, 0.4104



16.1906, 0.3138, 0.3531



32.2639, 0.3043, 0.5966



2.4162, 0.3122, 0.5903

Inverse Universe

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



38.1311, 0.3046, 0.2240



41.1312, 0.3022, 0.2043



38.6650, 0.3494, 0.2602



14.5019, 0.3114, 0.3057



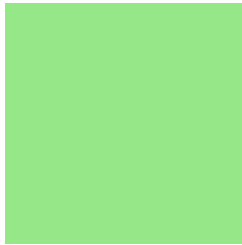
9.9281, 0.2840, 0.1338



0.7631, 0.2897, 0.1370

Previews

White Background



This preview shows how the Yxy color 65.4134, 0.3155, 0.4526 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 65.4134, 0.3155, 0.4526 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 65.4134, 0.3155, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 65.4134, 0.3155, 0.4526.



This preview shows how white text looks on a background with the Yxy color 65.4134, 0.3155, 0.4526.

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

65.4134, 0.3155, 0.4526

Protanopia

64.4747, 0.3874, 0.4193

Deuteranopia

64.4519, 0.3990, 0.3897



Tritanopia

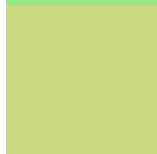
65.1023, 0.2683, 0.3077

Trichromacy



Original Color

65.4134, 0.3155, 0.4526



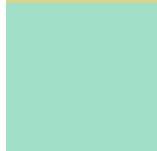
Protanomaly

64.1990, 0.3586, 0.4323



Deuteranomaly

63.4275, 0.3660, 0.4124



Tritanomaly

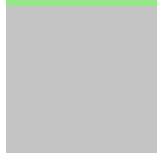
64.5226, 0.2855, 0.3576

Monochromacy



Original Color

65.4134, 0.3155, 0.4526



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.2406, 0.3144, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4134, 0.3155, 0.4526 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(150, 231, 136)` looks like.

```
.text, #text, p{  
    color:rgb(150, 231, 136)  
}
```

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(150, 231, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 231, 136) }
```

Border

The CSS property to change the border of an element to Yxy 65.4134, 0.3155, 0.4526 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(150, 231, 136) }
```

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

```
.border{ border-color:rgb(150, 231, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 231, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 231, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 231, 136);  
box-shadow:4px 4px 4px 4px rgb(150, 231,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4134, 0.3155, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 231, 136) }
```

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

```
.background{ background-color: rgb(150,  
231, 136) }
```

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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