

Converting Colors

$Yxy(62.4064, 0.3103, 0.4504)$

Have a look what the booklet for
Yxy(62.4064, 0.3103, 0.4504)
contains.

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Color

Yxy(62.4665, 0.3107, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	8EE388
RGB	142, 227, 136
RGB Percent	56%, 89%, 53%
CMY	0.4431, 0.1098, 0.4665
CMYK	0.37, 0.00, 0.40, 0.11
HSL	116°, 62%, 71%
HSV	116°, 40%, 89%
XYZ	43.0722, 62.4665, 33.0909
YIQ	191.2110, -21.4490, -46.3210

Conversions

Conversions Part 2

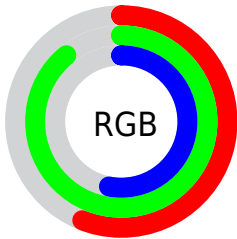
Format	Color
RYB	136, 227, 221
Decimal	9364360
CIELab	83.16, -43.37, 36.50
CIElCh	83, 56.683, 139.913
Yxy	62.4665, 0.3107, 0.4506
Android (android.graphics.Color)	4287554440 (0xFF8EE388)
YUV	191.2110, -27.2190, -43.1580
Hunter-Lab	79.0358, -41.0352, 30.5013

Details

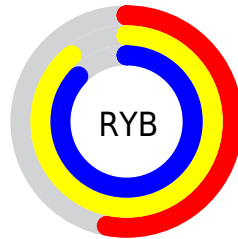
The Yxy color **62.4665, 0.3107, 0.4506** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.5381, 0.3118, 0.2289**, and the grayscale version is **52.4044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3798, 0.3148, 0.4009**, and **31.8079, 0.3068, 0.4848** is the 20% darker color. If you saturate the color by 10%, you get **60.1894, 0.3095, 0.4860**, and if you desaturate by 10%, it is **65.2424, 0.3116, 0.4161**.

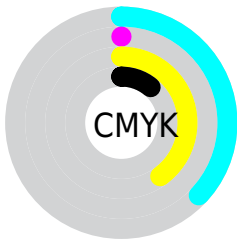
Distribution



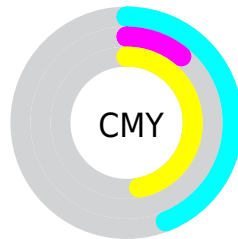
- Red (56%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (87%)



- Cyan (37%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (44%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4665, 0.3107, 0.4506 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 62.4665, 0.3107, 0.4506 by changing the saturation by 10% instead.

 62.4665, 0.3107,
0.4506

 62.4665, 0.3107,
0.4506


433.6307, 0.3140,
0.3892

 45.4097, 0.3092,
0.4659

 108.3995, 0.3124,
0.4283

 31.7803, 0.3068,
0.4854


 138.0445, 0.3129,
0.4199

 21.1937, 0.3031,
0.5110


 172.6544, 0.3133,
0.4128

 13.2657, 0.2966,
0.5460

212.6135, 0.3135,
0.4067

 7.6118, 0.2848,
0.5955

258.3063, 0.3137,
0.4015

 3.8475, 0.2685,
0.6885

310.1172, 0.3138,

 1.5886, 0.1703,

0.3969

0.8297

368.4305, 0.3139,
0.3928

■ 0.3499, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4665, 0.3107,
0.4506

■ 62.4665, 0.3107,
0.4506

■ 60.1894, 0.3095,
0.4860

■ 65.2424, 0.3116,
0.4161

■ 58.3741, 0.3080,
0.5203


■ 68.5359, 0.3122,
0.3840


■ 56.9914, 0.3062,
0.5508

■ 72.3742, 0.3125,
0.3549

■ 56.0050, 0.3044,
0.5750

■ 76.7806, 0.3127,
0.3292

 55.3731, 0.3025,
0.5910

 81.7768, 0.3127,
0.3067

 55.0393, 0.3011,
0.5991

 83.4183, 0.3140,
0.3019

Harmonies

Analogous

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



62.4665, 0.3791, 0.4582



62.4665, 0.3107, 0.4506



62.4665, 0.2465, 0.3945

Triad

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



62.4665, 0.3107, 0.4506



62.4665, 0.2001, 0.2259



62.4665, 0.4345, 0.3213

Complementary

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



62.4665, 0.3107, 0.4506



38.5381, 0.3118, 0.2289

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.



62.4665, 0.3749, 0.2730



62.4665, 0.3107, 0.4506



62.4665, 0.2389, 0.2201

Square

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



62.4665, 0.3107, 0.4506



62.4665, 0.1878, 0.2582



62.4665, 0.3013, 0.2372



62.4665, 0.4555, 0.3748

Rectangle

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



62.4665, 0.3107, 0.4506



62.4665, 0.2146, 0.3436



62.4665, 0.3013, 0.2372



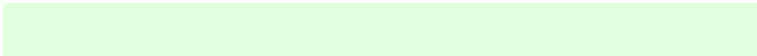
62.4665, 0.4180, 0.3043

Sweetspot

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



62.4691, 0.3107, 0.4506



93.1592, 0.3125, 0.3604



69.7884, 0.3749, 0.4223



19.7945, 0.3124, 0.3642



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.



62.4691, 0.3107, 0.4506



78.8348, 0.3097, 0.4798



63.2882, 0.2850, 0.3973



16.1342, 0.3126, 0.3532



32.1165, 0.3015, 0.5988



2.3893, 0.3056, 0.5956

Inverse Universe

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



38.5381, 0.3118, 0.2289



43.6502, 0.3112, 0.2099



37.5613, 0.3561, 0.2701



14.5644, 0.3127, 0.3058



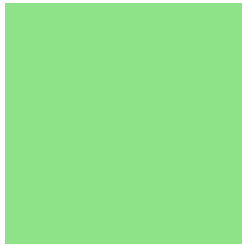
11.4234, 0.3045, 0.1451



0.8588, 0.3071, 0.1465

Previews

White Background



This preview shows how the Yxy color 62.4665, 0.3107, 0.4506 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 62.4665, 0.3107, 0.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

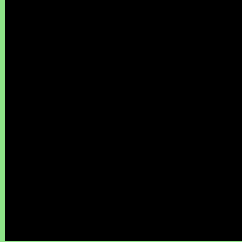
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.4665, 0.3107, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 62.4665, 0.3107, 0.4506.

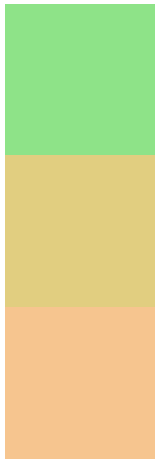


This preview shows how white text looks on a background with the Yxy color 62.4665, 0.3107, 0.4506.

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

62.4665, 0.3107, 0.4506

Protanopia

61.7087, 0.3851, 0.4168

Deuteranopia

61.5085, 0.3958, 0.3869



Tritanopia

62.4685, 0.2654, 0.3084

Trichromacy



Original Color

62.4665, 0.3107, 0.4506



Protanomaly

61.3339, 0.3551, 0.4300



Deuteranomaly

60.4151, 0.3617, 0.4099



Tritanomaly

62.0359, 0.2815, 0.3570

Monochromacy



Original Color

62.4665, 0.3107, 0.4506



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.0102, 0.3122, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4665, 0.3107, 0.4506 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(142, 227, 136)` looks like.

```
.text, #text, p{  
    color:rgb(142, 227, 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(142, 227, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 227, 136) }
```

Border

The CSS property to change the border of an element to Yxy 62.4665, 0.3107, 0.4506 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(142, 227, 136) }
```

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

```
.border{ border-color:rgb(142, 227, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 227, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 227, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 227, 136); box-shadow:4px 4px 4px 4px rgb(142, 227, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4665, 0.3107, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 227, 136) }
```

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

```
.background{ background-color: rgb(142,  
227, 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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