

Converting Colors

Yxy(62.9684, 0.3117, 0.4528)

Have a look what the booklet for
Yxy(62.9684, 0.3117, 0.4528)
contains.

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Color

Yxy(63.0757, 0.3118, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	8FE487
RGB	143, 228, 135
RGB Percent	56%, 89%, 53%
CMY	0.4393, 0.1059, 0.4705
CMYK	0.37, 0.00, 0.41, 0.11
HSL	115°, 63%, 71%
HSV	115°, 41%, 89%
XYZ	43.4438, 63.0757, 32.8127
YIQ	191.9830, -20.8070, -46.9430

Conversions

Conversions Part 2

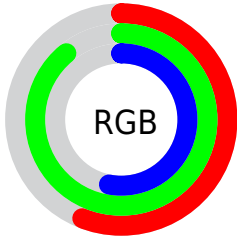
Format	Color
RYB	135, 228, 220
Decimal	9430151
CIELab	83.48, -43.65, 37.43
CIELCh	83, 57.502, 139.385
Yxy	63.0757, 0.3118, 0.4527
Android (android.graphics.Color)	4287620231 (0xFF8FE487)
YUV	191.9830, -28.0926, -42.9581
Hunter-Lab	79.4202, -41.3438, 31.0983

Details

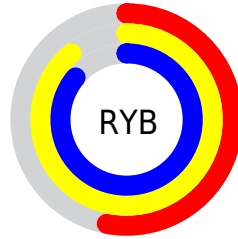
The Yxy color **63.0757, 0.3118, 0.4527** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.1559, 0.3100, 0.2266**, and the grayscale version is **52.8789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4735, 0.3160, 0.4019**, and **32.2198, 0.3081, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **60.8126, 0.3107, 0.4879**, and if you desaturate by 10%, it is **65.8273, 0.3125, 0.4183**.

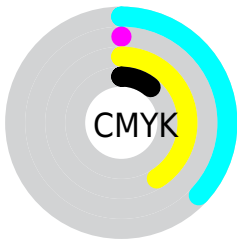
Distribution



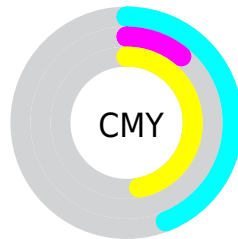
- Red (56%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0757, 0.3118, 0.4527 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 63.0757, 0.3118, 0.4527 by changing the saturation by 10% instead.


 63.0757, 0.3118,
0.4527

 63.0757, 0.3118,
0.4527


435.8442, 0.3146,
0.3903


 45.9025, 0.3104,
0.4682


 109.2787, 0.3134,
0.4301

 32.1689, 0.3081,
0.4879


 139.0773, 0.3138,
0.4215

 21.4905, 0.3044,
0.5138


 173.8531, 0.3141,
0.4143

 13.4830, 0.2980,
0.5489

213.9905, 0.3143,
0.4082

 7.7620, 0.2862,
0.5986

259.8739, 0.3145,
0.4028

 3.9430, 0.2704,
0.6921

311.8877, 0.3145,

 1.6417, 0.1770,

0.3981

0.8230

370.4163, 0.3146,
0.3940

■ 0.3855, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0757, 0.3118,
0.4527

■ 63.0757, 0.3118,
0.4527

■ 60.8126, 0.3107,
0.4879

■ 65.8273, 0.3125,
0.4183

■ 59.0021, 0.3093,
0.5219


■ 69.0852, 0.3128,
0.3860

■ 57.6157, 0.3074,
0.5519


■ 72.8760, 0.3129,
0.3568


■ 56.6187, 0.3054,
0.5756

■ 77.2222, 0.3127,
0.3309

 55.9707, 0.3032,
0.5912

 82.1449, 0.3125,
0.3082

 55.6338, 0.3016,
0.5987

 83.9698, 0.3139,
0.3029

Harmonies

Analogous

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



63.0757, 0.3808, 0.4593



63.0757, 0.3118, 0.4527



63.0757, 0.2467, 0.3966

Triad

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



63.0757, 0.3118, 0.4527



63.0757, 0.1986, 0.2252



63.0757, 0.4351, 0.3202

Complementary

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



63.0757, 0.3118, 0.4527



38.1559, 0.3100, 0.2266

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.



63.0757, 0.3743, 0.2716



63.0757, 0.3118, 0.4527



63.0757, 0.2372, 0.2190

Square

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



63.0757, 0.3118, 0.4527



63.0757, 0.1866, 0.2582



63.0757, 0.2998, 0.2359



63.0757, 0.4571, 0.3741

Rectangle

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



63.0757, 0.3118, 0.4527



63.0757, 0.2142, 0.3450



63.0757, 0.2998, 0.2359



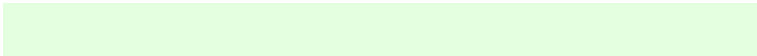
63.0757, 0.4182, 0.3031

Sweetspot

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



63.0784, 0.3118, 0.4527



93.2582, 0.3129, 0.3604



68.7549, 0.3773, 0.4209



19.8176, 0.3129, 0.3641



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.



63.0784, 0.3118, 0.4527



78.7749, 0.3109, 0.4828



63.6290, 0.2863, 0.4030



16.1479, 0.3129, 0.3532



32.1442, 0.3020, 0.5984



2.3959, 0.3072, 0.5943

Inverse Universe

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



38.1559, 0.3100, 0.2266



42.4834, 0.3089, 0.2068



37.5813, 0.3539, 0.2657



14.5491, 0.3124, 0.3057



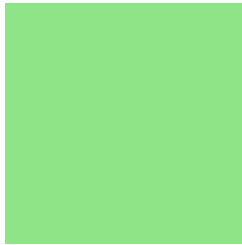
11.0419, 0.2995, 0.1424



0.8346, 0.3028, 0.1442

Previews

White Background



This preview shows how the Yxy color 63.0757, 0.3118, 0.4527 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 63.0757, 0.3118, 0.4527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

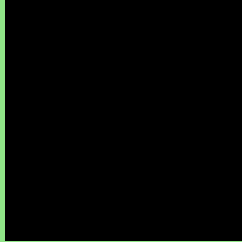
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0757, 0.3118, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 63.0757, 0.3118, 0.4527.

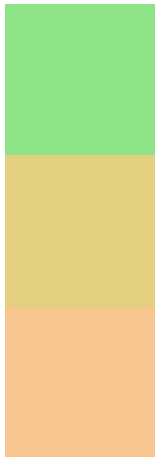


This preview shows how white text looks on a background with the Yxy color 63.0757, 0.3118, 0.4527.

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

63.0757, 0.3118, 0.4527

Protanopia

62.3267, 0.3862, 0.4185

Deuteranopia

62.1153, 0.3970, 0.3887



Tritanopia

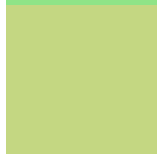
62.6293, 0.2655, 0.3073

Trichromacy



Original Color

63.0757, 0.3118, 0.4527



Protanomaly

61.9483, 0.3562, 0.4319



Deuteranomaly

61.0203, 0.3629, 0.4119



Tritanomaly

62.1336, 0.2821, 0.3569

Monochromacy



Original Color

63.0757, 0.3118, 0.4527



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.6016, 0.3129, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0757, 0.3118, 0.4527 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(143, 228, 135)` looks like.

```
.text, #text, p{  
    color:rgb(143, 228, 135)  
}
```

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(143, 228, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 228, 135) }
```

Border

The CSS property to change the border of an element to Yxy 63.0757, 0.3118, 0.4527 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(143, 228, 135) }
```

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

```
.border{ border-color:rgb(143, 228, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 228, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 228, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 228, 135); box-shadow:4px 4px 4px 4px rgb(143, 228, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0757, 0.3118, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 228, 135) }
```

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

```
.background{ background-color: rgb(143,  
228, 135) }
```

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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