

Converting Colors

$Yxy(62.9076, 0.3011, 0.4560)$

Have a look what the booklet for
Yxy(62.9076, 0.3011, 0.4560)
contains.

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Color

Yxy(62.9118, 0.3010, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	7FE689
RGB	127, 230, 137
RGB Percent	50%, 90%, 54%
CMY	0.5019, 0.0980, 0.4628
CMYK	0.45, 0.00, 0.40, 0.10
HSL	126°, 67%, 70%
HSV	126°, 45%, 90%
XYZ	41.5638, 62.9118, 33.6100
YIQ	188.6010, -31.5350, -50.7590

Conversions

Conversions Part 2

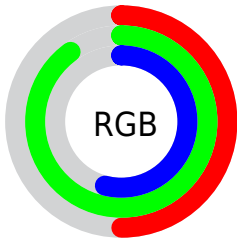
Format	Color
RYB	127, 221, 230
Decimal	8382089
CIELab	83.40, -48.92, 36.21
CIElCh	83, 60.858, 143.492
Yxy	62.9118, 0.3010, 0.4556
Android (android.graphics.Color)	4286572169 (0xFF7FE689)
YUV	188.6010, -25.4393, -54.0241
Hunter-Lab	79.3170, -45.2669, 30.3981

Details

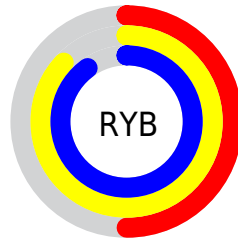
The Yxy color **62.9118, 0.3010, 0.4556** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.1735, 0.3272, 0.2289**, and the grayscale version is **50.8115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4719, 0.3052, 0.4017**, and **32.2092, 0.2943, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **60.8055, 0.2990, 0.4890**, and if you desaturate by 10%, it is **65.5412, 0.3034, 0.4229**.

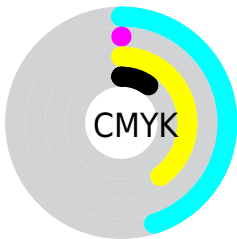
Distribution



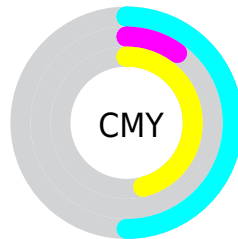
- Red (50%)
- Green (90%)
- Blue (54%)



- Red (50%)
- Yellow (87%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (40%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9118, 0.3010, 0.4556 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 62.9118, 0.3010, 0.4556 by changing the saturation by 10% instead.

 62.9118, 0.3010,
0.4556


 62.9118, 0.3010,
0.4556


435.2493, 0.3091,
0.3914


 45.7699, 0.2983,
0.4717


 109.0423, 0.3044,
0.4322

 32.0643, 0.2945,
0.4922


 138.7996, 0.3056,
0.4234

 21.4106, 0.2889,
0.5193


 173.5308, 0.3065,
0.4160

 13.4245, 0.2799,
0.5564

213.6203, 0.3072,
0.4097

 7.7215, 0.2647,
0.6093

259.4525, 0.3078,
0.4042

 3.9172, 0.2421,
0.7059

311.4118, 0.3083,

 1.6274, 0.1169,

0.3994

0.8831

369.8826, 0.3087,
0.3951

0.3760, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.9118, 0.3010,
0.4556

62.9118, 0.3010,
0.4556

60.8055, 0.2990,
0.4890

65.5412, 0.3034,
0.4229

59.1800, 0.2975,
0.5213


68.7170, 0.3061,
0.3923


57.9994, 0.2969,
0.5501


72.4707, 0.3088,
0.3645

57.2190, 0.2970,
0.5732

76.8290, 0.3115,
0.3397

 56.7850, 0.2980,
0.5890

 81.8170, 0.3140,
0.3181

 56.6553, 0.2985,
0.5944

 85.0764, 0.3138,
0.3048

Harmonies

Analogous

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



62.9118, 0.3743, 0.4691



62.9118, 0.3010, 0.4556



62.9118, 0.2348, 0.3899

Triad

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



62.9118, 0.3010, 0.4556



62.9118, 0.1968, 0.2173



62.9118, 0.4483, 0.3267

Complementary

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



62.9118, 0.3010, 0.4556



37.1735, 0.3272, 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.



62.9118, 0.3882, 0.2749



62.9118, 0.3010, 0.4556



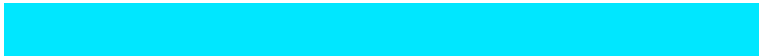
62.9118, 0.2407, 0.2147

Square

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



62.9118, 0.3010, 0.4556



62.9118, 0.1804, 0.2474



62.9118, 0.3093, 0.2353



62.9118, 0.4646, 0.3832

Rectangle

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



62.9118, 0.3010, 0.4556



62.9118, 0.2034, 0.3343



62.9118, 0.3093, 0.2353



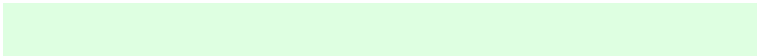
62.9118, 0.4323, 0.3085

Sweetspot

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



62.9144, 0.3010, 0.4556



92.4654, 0.3093, 0.3600



73.5673, 0.3725, 0.4414



19.5460, 0.3087, 0.3658



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.



62.9144, 0.3010, 0.4556



76.9514, 0.2990, 0.4874



64.7006, 0.2742, 0.3854



16.1117, 0.3103, 0.3509



32.0815, 0.2981, 0.5931



2.3785, 0.2934, 0.5764

Inverse Universe

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



37.1735, 0.3272, 0.2289



40.4436, 0.3309, 0.2104



34.9037, 0.3810, 0.2801



14.5899, 0.3153, 0.3080



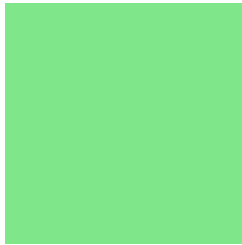
12.1052, 0.3468, 0.1684



0.9016, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 62.9118, 0.3010, 0.4556 looks on a white background.

Color Contrast Check

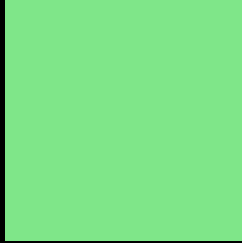
Large Text (above 18pt) WCAG AA × Fail

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 62.9118, 0.3010, 0.4556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

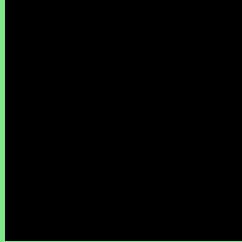
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9118, 0.3010, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 62.9118, 0.3010, 0.4556.



This preview shows how white text looks on a background with the Yxy color 62.9118, 0.3010, 0.4556.

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

62.9118, 0.3010, 0.4556

Protanopia

62.1917, 0.3847, 0.4178

Deuteranopia

61.9946, 0.3946, 0.3869



Tritanopia

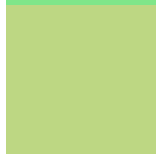
62.4948, 0.2575, 0.3070

Trichromacy



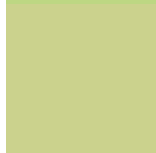
Original Color

62.9118, 0.3010, 0.4556



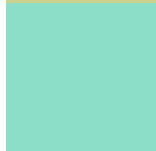
Protanomaly

61.0584, 0.3500, 0.4327



Deuteranomaly

60.7128, 0.3562, 0.4120



Tritanomaly

61.9881, 0.2730, 0.3574

Monochromacy



Original Color

62.9118, 0.3010, 0.4556



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.1950, 0.3076, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9118, 0.3010, 0.4556 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(127, 230, 137)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 137)  
}
```

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(127, 230, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 137) }
```

Border

The CSS property to change the border of an element to Yxy 62.9118, 0.3010, 0.4556 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(127, 230, 137) }
```

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

```
.border{ border-color:rgb(127, 230, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 137);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9118, 0.3010, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 137) }
```

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

```
.background{ background-color: rgb(127,  
230, 137) }
```

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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