

Converting Colors

$Yxy(64.9263, 0.3010, 0.4533)$

Have a look what the booklet for
Yxy(64.9263, 0.3010, 0.4533)
contains.

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Color

Yxy(64.9171, 0.3011, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	82E98C
RGB	130, 233, 140
RGB Percent	51%, 91%, 55%
CMY	0.4903, 0.0862, 0.4511
CMYK	0.44, 0.00, 0.40, 0.09
HSL	126°, 70%, 71%
HSV	126°, 44%, 91%
XYZ	43.0730, 64.9171, 35.0621
YIQ	191.6010, -31.5350, -50.7590

Conversions

Conversions Part 2

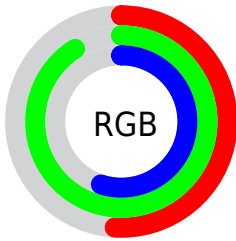
Format	Color
RYB	130, 224, 233
Decimal	8579468
CIELab	84.44, -48.88, 36.09
CIElCh	84, 60.760, 143.561
Yxy	64.9171, 0.3011, 0.4538
Android (android.graphics.Color)	4286769548 (0xFF82E98C)
YUV	191.6010, -25.4393, -54.0241
Hunter-Lab	80.5711, -45.5741, 30.5986

Details

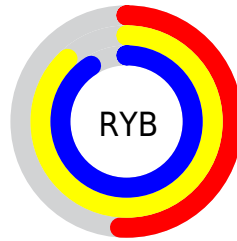
The Yxy color **64.9171, 0.3011, 0.4538** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.6090, 0.3270, 0.2300**, and the grayscale version is **52.6278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9798, 0.3053, 0.3978**, and **33.5266, 0.2950, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **62.7194, 0.2990, 0.4872**, and if you desaturate by 10%, it is **67.6559, 0.3036, 0.4212**.

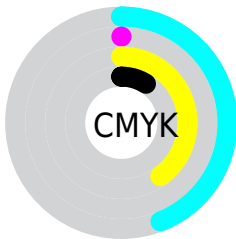
Distribution



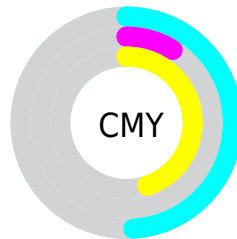
- Red (51%)
- Green (91%)
- Blue (55%)



- Red (51%)
- Yellow (88%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (40%)
- Black (9%)





- Cyan (49%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9171, 0.3011, 0.4538 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 64.9171, 0.3011, 0.4538 by changing the saturation by 10% instead.


 64.9171, 0.3011,
0.4538


 64.9171, 0.3011,
0.4538


442.4940, 0.3090,
0.3909

 47.3939, 0.2985,
0.4694


 111.9307, 0.3044,
0.4309

 33.3471, 0.2949,
0.4894


 142.1898, 0.3056,
0.4223

 22.3925, 0.2894,
0.5156


 177.4630, 0.3064,
0.4151

 14.1456, 0.2810,
0.5514

218.1347, 0.3072,
0.4088

 8.2220, 0.2666,
0.6021

264.5892, 0.3078,
0.4034

 4.2373, 0.2436,
0.6878

317.2110, 0.3082,

 1.8072, 0.1529,

0.3987

0.8471

376.3845, 0.3087,
0.3946

■ 0.4916, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9171, 0.3011,
0.4538

■ 64.9171, 0.3011,
0.4538

■ 62.7194, 0.2990,
0.4872

■ 67.6559, 0.3036,
0.4212

■ 61.0195, 0.2976,
0.5196


■ 70.9599, 0.3062,
0.3907


■ 59.7805, 0.2969,
0.5487

■ 74.8612, 0.3090,
0.3630


■ 58.9567, 0.2970,
0.5721

■ 79.3875, 0.3116,
0.3384

 58.4931, 0.2979,
0.5884

 84.5645, 0.3142,
0.3170

 58.3443, 0.2985,
0.5945

 86.7639, 0.3137,
0.3078

Harmonies

Analogous

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



64.9171, 0.3736, 0.4675



64.9171, 0.3011, 0.4538



64.9171, 0.2356, 0.3890

Triad

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



64.9171, 0.3011, 0.4538



64.9171, 0.1980, 0.2185



64.9171, 0.4468, 0.3270

Complementary

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



64.9171, 0.3011, 0.4538



38.6090, 0.3270, 0.2300

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.



64.9171, 0.3875, 0.2756



64.9171, 0.3011, 0.4538



64.9171, 0.2417, 0.2158

Square

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



64.9171, 0.3011, 0.4538



64.9171, 0.1818, 0.2483



64.9171, 0.3096, 0.2363



64.9171, 0.4628, 0.3830

Rectangle

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



64.9171, 0.3011, 0.4538



64.9171, 0.2046, 0.3342



64.9171, 0.3096, 0.2363



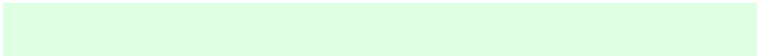
64.9171, 0.4310, 0.3090

Sweetspot

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



64.9198, 0.3011, 0.4538



92.4661, 0.3093, 0.3600



75.8097, 0.3719, 0.4402



19.5461, 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.



64.9198, 0.3011, 0.4538



77.1954, 0.2992, 0.4840



66.7480, 0.2746, 0.3847



16.8859, 0.3102, 0.3509



33.1104, 0.2981, 0.5932



2.6080, 0.2937, 0.5773

Inverse Universe

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



38.6090, 0.3270, 0.2300



41.0596, 0.3305, 0.2122



36.2948, 0.3798, 0.2807



15.2871, 0.3153, 0.3080



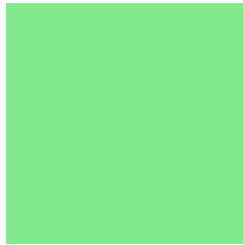
12.4905, 0.3470, 0.1685



0.9881, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 64.9171, 0.3011, 0.4538 looks on a white background.

Color Contrast Check

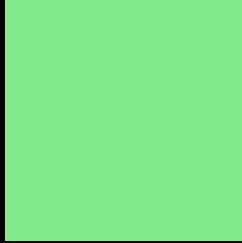
Large Text (above 18pt) WCAG AA × Fail

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 64.9171, 0.3011, 0.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

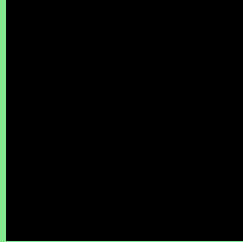
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9171, 0.3011, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 64.9171, 0.3011, 0.4538.



This preview shows how white text looks on a background with the Yxy color 64.9171, 0.3011, 0.4538.

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

64.9171, 0.3011, 0.4538

Protanopia

63.7336, 0.3842, 0.4158

Deuteranopia

64.0196, 0.3935, 0.3862



Tritanopia

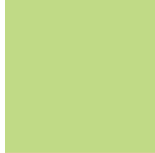
64.5242, 0.2581, 0.3073

Trichromacy



Original Color

64.9171, 0.3011, 0.4538



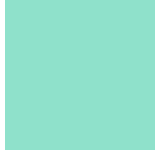
Protanomaly

63.0705, 0.3496, 0.4313



Deuteranomaly

62.7239, 0.3556, 0.4109



Tritanomaly

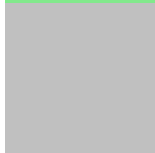
64.0019, 0.2735, 0.3569

Monochromacy



Original Color

64.9171, 0.3011, 0.4538



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.0778, 0.3077, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9171, 0.3011, 0.4538 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(130, 233, 140)` looks like.

```
.text, #text, p{  
    color:rgb(130, 233, 140)  
}
```

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(130, 233, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 233, 140) }
```

Border

The CSS property to change the border of an element to Yxy 64.9171, 0.3011, 0.4538 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(130, 233, 140) }
```

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

```
.border{ border-color:rgb(130, 233, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 233, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 233, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 233, 140);  
box-shadow:4px 4px 4px 4px rgb(130, 233,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9171, 0.3011, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 233, 140) }
```

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

```
.background{ background-color: rgb(130,  
233, 140) }
```

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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