

Converting Colors

Yxy(64.9625, 0.3124, 0.4639)

Have a look what the booklet for
Yxy(64.9625, 0.3124, 0.4639)
contains.

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Color

Yxy(64.9004, 0.3123, 0.4638)

Conversions

Conversions Part 1

Format	Color
Hex	8CE882
RGB	140, 232, 130
RGB Percent	55%, 91%, 51%
CMY	0.4509, 0.0902, 0.4903
CMYK	0.40, 0.00, 0.44, 0.09
HSL	114°, 69%, 71%
HSV	114°, 44%, 91%
XYZ	43.7007, 64.9004, 31.3307
YIQ	192.8640, -22.0900, -51.2260

Conversions

Conversions Part 2

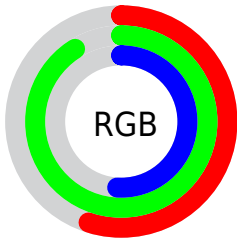
Format	Color
RYB	130, 232, 222
Decimal	9234562
CIELab	84.43, -46.99, 41.12
CIELCh	84, 62.440, 138.809
Yxy	64.9004, 0.3123, 0.4638
Android (android.graphics.Color)	4287424642 (0xFF8CE882)
YUV	192.8640, -30.9920, -46.3617
Hunter-Lab	80.5608, -44.1529, 33.3342

Details

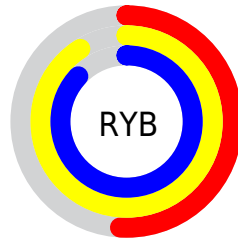
The Yxy color **64.9004, 0.3123, 0.4638** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.3067, 0.3084, 0.2185**, and the grayscale version is **53.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8510, 0.3168, 0.4080**, and **33.4855, 0.3085, 0.5026** is the 20% darker color. If you saturate the color by 10%, you get **62.7011, 0.3112, 0.4988**, and if you desaturate by 10%, it is **67.5910, 0.3129, 0.4290**.

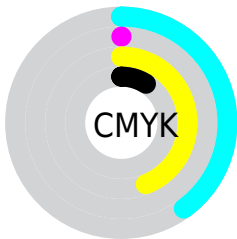
Distribution



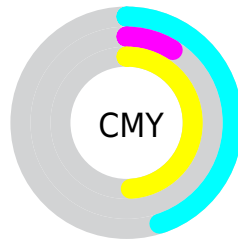
- Red (55%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (87%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9004, 0.3123, 0.4638 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 64.9004, 0.3123, 0.4638 by changing the saturation by 10% instead.

 64.9004, 0.3123,
0.4638


 64.9004, 0.3123,
0.4638

442.4340, 0.3154,
0.3960

 47.3803, 0.3107,
0.4805


 111.9067, 0.3141,
0.4392

 33.3364, 0.3081,
0.5017


 142.1616, 0.3145,
0.4300

 22.3843, 0.3038,
0.5294


 177.4303, 0.3149,
0.4222

 14.1395, 0.2965,
0.5666

218.0972, 0.3151,
0.4154

 8.2178, 0.2831,
0.6184

264.5466, 0.3152,
0.4096

 4.2346, 0.2670,
0.7210

317.1629, 0.3153,

 1.8057, 0.1707,

0.4045

0.8293

376.3306, 0.3154,
0.4000

0.4907, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.9004, 0.3123,
0.4638

64.9004, 0.3123,
0.4638

62.7011, 0.3112,
0.4988

67.5910, 0.3129,
0.4290

60.9557, 0.3096,
0.5317


70.7913, 0.3132,
0.3960


59.6346, 0.3076,
0.5599


74.5290, 0.3131,
0.3658


58.7011, 0.3053,
0.5811

78.8272, 0.3129,
0.3388

 58.1122, 0.3030,
0.5940

 83.7076, 0.3124,
0.3151

 57.8960, 0.3019,
0.5985

 86.1958, 0.3138,
0.3068

Harmonies

Analogous

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



64.9004, 0.3859, 0.4684



64.9004, 0.3123, 0.4638



64.9004, 0.2428, 0.4037

Triad

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



64.9004, 0.3123, 0.4638



64.9004, 0.1908, 0.2186



64.9004, 0.4434, 0.3178

Complementary

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



64.9004, 0.3123, 0.4638



37.3067, 0.3084, 0.2185

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.



64.9004, 0.3772, 0.2668



64.9004, 0.3123, 0.4638



64.9004, 0.2309, 0.2120

Square

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



64.9004, 0.3123, 0.4638



64.9004, 0.1787, 0.2537



64.9004, 0.2971, 0.2295



64.9004, 0.4675, 0.3747

Rectangle

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



64.9004, 0.3123, 0.4638



64.9004, 0.2082, 0.3474



64.9004, 0.2971, 0.2295



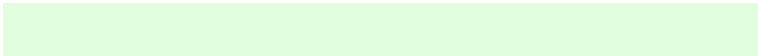
64.9004, 0.4250, 0.2998

Sweetspot

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



64.9031, 0.3123, 0.4638



92.8116, 0.3131, 0.3632



70.9043, 0.3824, 0.4278



19.6299, 0.3132, 0.3696



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.



64.9031, 0.3123, 0.4638



77.8715, 0.3113, 0.4964



65.3911, 0.2847, 0.4102



16.1567, 0.3130, 0.3532



32.1646, 0.3024, 0.5981



2.4000, 0.3083, 0.5934

Inverse Universe

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



37.3067, 0.3084, 0.2185



39.4404, 0.3068, 0.1975



36.8834, 0.3584, 0.2608



14.5394, 0.3122, 0.3057



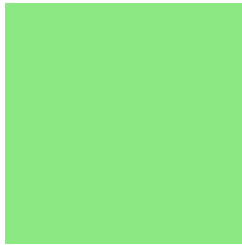
10.8042, 0.2963, 0.1406



0.8194, 0.3001, 0.1427

Previews

White Background



This preview shows how the Yxy color 64.9004, 0.3123, 0.4638 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 64.9004, 0.3123, 0.4638 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 64.9004, 0.3123, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 64.9004, 0.3123, 0.4638.

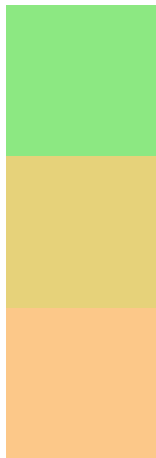


This preview shows how white text looks on a background with the Yxy color 64.9004, 0.3123, 0.4638.

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

64.9004, 0.3123, 0.4638

Protanopia

64.3213, 0.3914, 0.4253

Deuteranopia

63.8101, 0.4040, 0.3947



Tritanopia

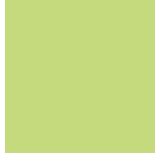
64.7744, 0.2639, 0.3087

Trichromacy



Original Color

64.9004, 0.3123, 0.4638



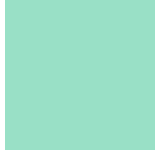
Protanomaly

63.4938, 0.3592, 0.4403



Deuteranomaly

62.6571, 0.3669, 0.4201



Tritanomaly

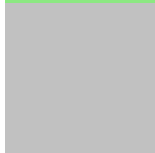
64.1608, 0.2819, 0.3618

Monochromacy



Original Color

64.9004, 0.3123, 0.4638



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.5266, 0.3135, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9004, 0.3123, 0.4638 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(140, 232, 130)` looks like.

```
.text, #text, p{  
    color:rgb(140, 232, 130)  
}
```

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(140, 232, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 232, 130) }
```

Border

The CSS property to change the border of an element to Yxy 64.9004, 0.3123, 0.4638 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(140, 232, 130) }
```

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

```
.border{ border-color:rgb(140, 232, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 232, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 232, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 232, 130);  
box-shadow:4px 4px 4px 4px rgb(140, 232,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9004, 0.3123, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 232, 130) }
```

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

```
.background{ background-color: rgb(140,  
232, 130) }
```

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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