

Converting Colors

$Yxy(64.9078, 0.3047, 0.4128)$

Have a look what the booklet for
Yxy(64.9078, 0.3047, 0.4128)
contains.

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Color

Yxy(64.6504, 0.3043, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	9CE3A3
RGB	156, 227, 163
RGB Percent	61%, 89%, 64%
CMY	0.3883, 0.1098, 0.3609
CMYK	0.31, 0.00, 0.28, 0.11
HSL	126°, 56%, 75%
HSV	126°, 31%, 89%
XYZ	47.7851, 64.6504, 44.5973
YIQ	198.4750, -21.7720, -34.9560

Conversions

Conversions Part 2

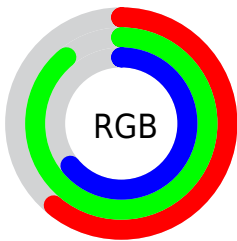
Format	Color
RYB	156, 221, 227
Decimal	10281891
CIELab	84.30, -34.76, 24.41
CIELCh	84, 42.477, 144.929
Yxy	64.6504, 0.3043, 0.4117
Android (android.graphics.Color)	4288471971 (0xFF9CE3A3)
YUV	198.4750, -17.4892, -37.2506
Hunter-Lab	80.4055, -34.6268, 23.3983

Details

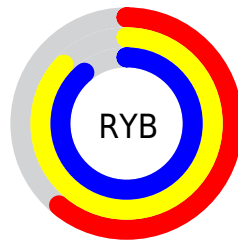
The Yxy color **64.6504, 0.3043, 0.4117** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2708, 0.3223, 0.2583**, and the grayscale version is **56.8921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5790, 0.3072, 0.3682**, and **33.0983, 0.3006, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **61.9214, 0.3017, 0.4437**, and if you desaturate by 10%, it is **67.9268, 0.3070, 0.3821**.

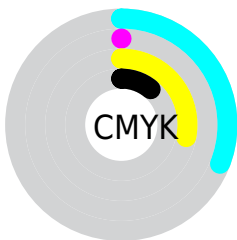
Distribution



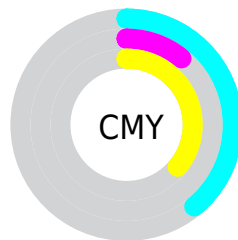
- Red (61%)
- Green (89%)
- Blue (64%)



- Red (61%)
- Yellow (87%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6504, 0.3043, 0.4117 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 64.6504, 0.3043, 0.4117 by changing the saturation by 10% instead.


 64.6504, 0.3043,
0.4117

 64.6504, 0.3043,
0.4117


441.5346, 0.3094,
0.3706

 47.1777, 0.3028,
0.4218


 111.5471, 0.3063,
0.3969

 33.1761, 0.3008,
0.4347

 141.7398, 0.3070,
0.3913

 22.2614, 0.2978,
0.4517


176.9414, 0.3076,
0.3865

 14.0491, 0.2934,
0.4749

217.5361, 0.3081,
0.3824

 8.1548, 0.2861,
0.5085

263.9083, 0.3085,
0.3789

 4.1942, 0.2727,
0.5606

316.4426, 0.3088,

 1.7828, 0.2672,

0.3758

375.5232, 0.3091,
0.3731

0.7256

0.4764, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.6504, 0.3043,
0.4117

64.6504, 0.3043,
0.4117

61.9214, 0.3017,
0.4437

67.9268, 0.3070,
0.3821

59.7022, 0.2995,
0.4770

71.7694, 0.3097,
0.3554

57.9635, 0.2978,
0.5098

76.2063, 0.3124,
0.3318

56.6694, 0.2969,
0.5401

81.2613, 0.3149,
0.3113

■ 55.7793, 0.2968,
0.5654

■ 83.4238, 0.3140,
0.3019

■ 55.2446, 0.2975,
0.5840

■ 55.0031, 0.2984,
0.5942

Harmonies

Analogous

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



64.6504, 0.3565, 0.4258



64.6504, 0.3043, 0.4117



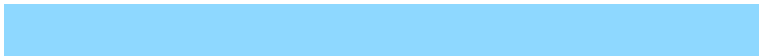
64.6504, 0.2568, 0.3680

Triad

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



64.6504, 0.3043, 0.4117



64.6504, 0.2300, 0.2484



64.6504, 0.4076, 0.3320

Complementary

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



64.6504, 0.3043, 0.4117



45.2708, 0.3223, 0.2583

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.



64.6504, 0.3679, 0.2925



64.6504, 0.3043, 0.4117



64.6504, 0.2642, 0.2461

Square

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



64.6504, 0.3043, 0.4117



64.6504, 0.2167, 0.2714



64.6504, 0.3141, 0.2620



64.6504, 0.4188, 0.3737

Rectangle

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



64.6504, 0.3043, 0.4117



64.6504, 0.2338, 0.3318



64.6504, 0.3141, 0.2620



64.6504, 0.3970, 0.3182

Sweetspot

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



64.6531, 0.3043, 0.4117



94.6425, 0.3103, 0.3499



72.7299, 0.3553, 0.4082



20.0850, 0.3099, 0.3535



0.0000, 0.0000, 0.0000



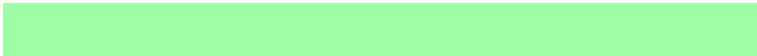
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6531, 0.3043, 0.4117



81.6131, 0.3025, 0.4338



66.0599, 0.2843, 0.3660



16.1121, 0.3102, 0.3509



32.0824, 0.2980, 0.5930



2.3787, 0.2933, 0.5760

Inverse Universe

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



45.2708, 0.3223, 0.2583



52.3684, 0.3249, 0.2429



43.6298, 0.3542, 0.2950



14.5895, 0.3153, 0.3081



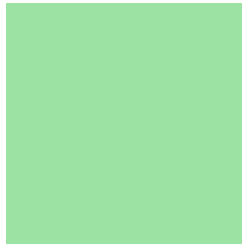
12.0947, 0.3473, 0.1687



0.9009, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 64.6504, 0.3043, 0.4117 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 64.6504, 0.3043, 0.4117 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 64.6504, 0.3043, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 64.6504, 0.3043, 0.4117.



This preview shows how white text looks on a background with the Yxy color 64.6504, 0.3043, 0.4117.

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

64.6504, 0.3043, 0.4117

Protanopia

63.9750, 0.3645, 0.3902

Deuteranopia

63.8710, 0.3721, 0.3636



Tritanopia

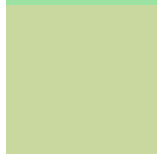
64.6870, 0.2705, 0.3089

Trichromacy



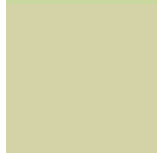
Original Color

64.6504, 0.3043, 0.4117



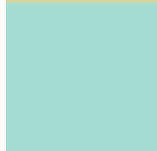
Protanomaly

63.8597, 0.3405, 0.3986



Deuteranomaly

62.8803, 0.3450, 0.3794



Tritanomaly

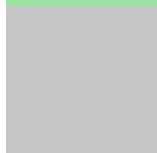
64.3157, 0.2826, 0.3437

Monochromacy



Original Color

64.6504, 0.3043, 0.4117



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.1710, 0.3098, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6504, 0.3043, 0.4117 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(156, 227, 163)` looks like.

```
.text, #text, p{  
    color:rgb(156, 227, 163)  
}
```

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(156, 227, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 227, 163) }
```

Border

The CSS property to change the border of an element to Yxy 64.6504, 0.3043, 0.4117 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(156, 227, 163) }
```

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

```
.border{ border-color:rgb(156, 227, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 227, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 227, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 227, 163);  
box-shadow:4px 4px 4px 4px rgb(156, 227,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6504, 0.3043, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 227, 163) }
```

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

```
.background{ background-color: rgb(156,  
227, 163) }
```

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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