

Converting Colors

$Yxy(64.0437, 0.3047, 0.4082)$

Have a look what the booklet for
Yxy(64.0437, 0.3047, 0.4082)
contains.

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Color

Yxy(64.3421, 0.3050, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	9EE2A4
RGB	158, 226, 164
RGB Percent	62%, 89%, 64%
CMY	0.3805, 0.1137, 0.3568
CMYK	0.30, 0.00, 0.27, 0.11
HSL	125°, 54%, 75%
HSV	125°, 30%, 89%
XYZ	47.9930, 64.3421, 45.0190
YIQ	198.6000, -20.6260, -33.6980

Conversions

Conversions Part 2

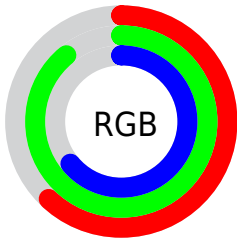
Format	Color
RYB	158, 220, 226
Decimal	10412708
CIELab	84.14, -33.50, 23.67
CIElCh	84, 41.016, 144.762
Yxy	64.3421, 0.3050, 0.4089
Android (android.graphics.Color)	4288602788 (0xFF9EE2A4)
YUV	198.6000, -17.0578, -35.6062
Hunter-Lab	80.2135, -33.5743, 22.8736

Details

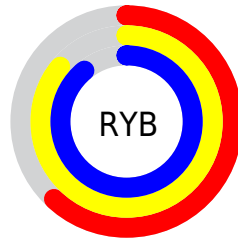
The Yxy color **64.3421, 0.3050, 0.4089** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.7759, 0.3214, 0.2604**, and the grayscale version is **56.9690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9306, 0.3079, 0.3670**, and **32.8624, 0.3014, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **61.5757, 0.3025, 0.4410**, and if you desaturate by 10%, it is **67.6558, 0.3076, 0.3793**.

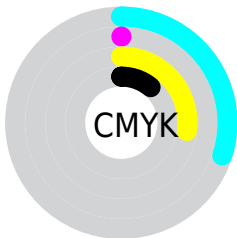
Distribution



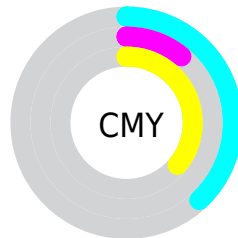
- Red (62%)
- Green (89%)
- Blue (64%)



- Red (62%)
- Yellow (86%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3421, 0.3050, 0.4089 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 64.3421, 0.3050, 0.4089 by changing the saturation by 10% instead.

 64.3421, 0.3050,
0.4089

 64.3421, 0.3050,
0.4089


440.4240, 0.3097,
0.3692

 46.9278, 0.3036,
0.4187


 111.1035, 0.3069,
0.3946

 32.9786, 0.3017,
0.4311


 141.2193, 0.3075,
0.3892

 22.1100, 0.2990,
0.4475

176.3379, 0.3080,
0.3846

 13.9378, 0.2949,
0.4699

216.8434, 0.3085,
0.3807

 8.0774, 0.2881,
0.5024

263.1204, 0.3088,
0.3772

 4.1445, 0.2756,
0.5529

315.5532, 0.3092,

 1.7547, 0.2708,

0.3742

0.7088

374.5263, 0.3094,
0.3716

0.4587, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3421, 0.3050,
0.4089

64.3421, 0.3050,
0.4089

61.5757, 0.3025,
0.4410

67.6558, 0.3076,
0.3793

59.3194, 0.3003,
0.4745

71.5354, 0.3102,
0.3527

57.5445, 0.2986,
0.5077

76.0087, 0.3127,
0.3292

56.2158, 0.2975,
0.5384

81.0990, 0.3150,
0.3088

■ 55.2932, 0.2972,
0.5643

■ 82.8787, 0.3140,
0.3009

■ 54.7298, 0.2977,
0.5835

■ 54.4496, 0.2986,
0.5950

Harmonies

Analogous

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



64.3421, 0.3555, 0.4225



64.3421, 0.3050, 0.4089



64.3421, 0.2589, 0.3670

Triad

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



64.3421, 0.3050, 0.4089



64.3421, 0.2324, 0.2510



64.3421, 0.4043, 0.3318

Complementary

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



64.3421, 0.3050, 0.4089



45.7759, 0.3214, 0.2604

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.



64.3421, 0.3658, 0.2934



64.3421, 0.3050, 0.4089



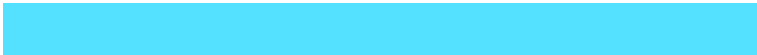
64.3421, 0.2655, 0.2485

Square

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



64.3421, 0.3050, 0.4089



64.3421, 0.2195, 0.2735



64.3421, 0.3138, 0.2638



64.3421, 0.4154, 0.3724

Rectangle

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



64.3421, 0.3050, 0.4089



64.3421, 0.2364, 0.3322



64.3421, 0.3138, 0.2638



64.3421, 0.3940, 0.3185

Sweetspot

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



64.3448, 0.3050, 0.4089



94.6300, 0.3105, 0.3501



72.1347, 0.3537, 0.4051



20.0820, 0.3101, 0.3537



0.0000, 0.0000, 0.0000



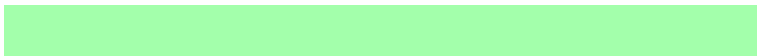
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3448, 0.3050, 0.4089



82.2821, 0.3034, 0.4283



65.7252, 0.2852, 0.3644



15.3570, 0.3104, 0.3510



31.0675, 0.2983, 0.5937



2.1603, 0.2937, 0.5773

Inverse Universe

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



45.7759, 0.3214, 0.2604



54.2304, 0.3234, 0.2466



44.1696, 0.3521, 0.2964



13.9135, 0.3151, 0.3079



11.7725, 0.3446, 0.1672



0.8223, 0.3405, 0.1649

Previews

White Background



This preview shows how the Yxy color 64.3421, 0.3050, 0.4089 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 64.3421, 0.3050, 0.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

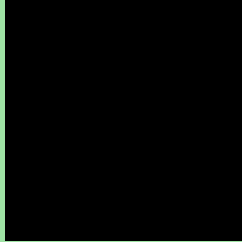
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3421, 0.3050, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 64.3421, 0.3050, 0.4089.



This preview shows how white text looks on a background with the Yxy color 64.3421, 0.3050, 0.4089.

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

64.3421, 0.3050, 0.4089

Protanopia

63.8485, 0.3630, 0.3893

Deuteranopia

63.6925, 0.3713, 0.3637



Tritanopia

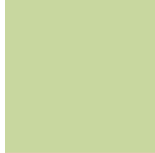
64.2241, 0.2715, 0.3089

Trichromacy



Original Color

64.3421, 0.3050, 0.4089



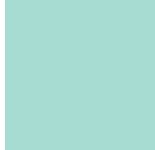
Protanomaly

63.3834, 0.3400, 0.3963



Deuteranomaly

62.8803, 0.3450, 0.3794



Tritanomaly

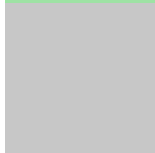
63.8968, 0.2831, 0.3424

Monochromacy



Original Color

64.3421, 0.3050, 0.4089



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.3364, 0.3099, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3421, 0.3050, 0.4089 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(158, 226, 164)` looks like.

```
.text, #text, p{  
    color:rgb(158, 226, 164)  
}
```

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(158, 226, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 226, 164) }
```

Border

The CSS property to change the border of an element to Yxy 64.3421, 0.3050, 0.4089 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(158, 226, 164) }
```

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

```
.border{ border-color:rgb(158, 226, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 226, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 226, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 226, 164);  
box-shadow:4px 4px 4px 4px rgb(158, 226,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3421, 0.3050, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 226, 164) }
```

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

```
.background{ background-color: rgb(158,  
226, 164) }
```

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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