

Converting Colors

$Yxy(63.7176, 0.3089, 0.4089)$

Have a look what the booklet for
Yxy(63.7176, 0.3089, 0.4089)
contains.

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Color

Yxy(63.6013, 0.3090, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	A2E0A2
RGB	162, 224, 162
RGB Percent	64%, 88%, 64%
CMY	0.3645, 0.1216, 0.3646
CMYK	0.28, 0.00, 0.28, 0.12
HSL	120°, 50%, 76%
HSV	120°, 28%, 88%
XYZ	48.0861, 63.6013, 43.9311
YIQ	198.3940, -17.0500, -32.4260

Conversions

Conversions Part 2

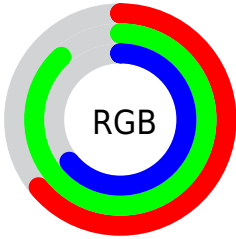
Format	Color
RYB	162, 224, 224
Decimal	10674338
CIELab	83.76, -31.58, 24.21
CIELCh	84, 39.792, 142.526
Yxy	63.6013, 0.3090, 0.4087
Android (android.graphics.Color)	4288864418 (0xFFA2E0A2)
YUV	198.3940, -17.9422, -31.9175
Hunter-Lab	79.7504, -31.9353, 23.1650

Details

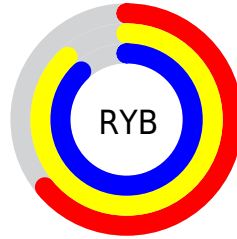
The Yxy color **63.6013, 0.3090, 0.4087** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.0688, 0.3159, 0.2604**, and the grayscale version is **56.8513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4352, 0.3115, 0.3689**, and **32.3192, 0.3063, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **60.7365, 0.3074, 0.4433**, and if you desaturate by 10%, it is **67.0307, 0.3105, 0.3769**.

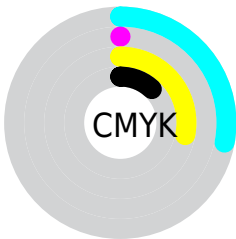
Distribution



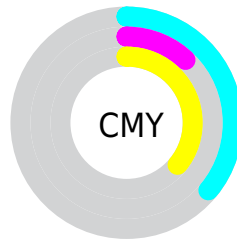
- Red (64%)
- Green (88%)
- Blue (64%)



- Red (64%)
- Yellow (88%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (28%)
- Black (12%)





- Cyan (36%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6013, 0.3090, 0.4087 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 63.6013, 0.3090, 0.4087 by changing the saturation by 10% instead.

 63.6013, 0.3090,
0.4087


 63.6013, 0.3090,
0.4087

437.7484, 0.3118,
0.3691

 46.3278, 0.3081,
0.4184


 110.0365, 0.3102,
0.3944

 32.5046, 0.3067,
0.4309


 139.9671, 0.3106,
0.3890

 21.7472, 0.3047,
0.4472


174.8855, 0.3109,
0.3844

 13.6713, 0.3015,
0.4696

215.1761, 0.3111,
0.3805

 7.8924, 0.2959,
0.5020

261.2233, 0.3113,
0.3771

 4.0262, 0.2849,
0.5523

313.4115, 0.3115,

 1.6882, 0.2861,

0.3741

0.7139

372.1251, 0.3116,
0.3715

0.4160, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.6013, 0.3090,
0.4087

63.6013, 0.3090,
0.4087

60.7365, 0.3074,
0.4433

67.0307, 0.3105,
0.3769

58.3987, 0.3057,
0.4792

71.0442, 0.3118,
0.3484

56.5580, 0.3040,
0.5146

75.6701, 0.3130,
0.3235

55.1785, 0.3025,
0.5465

80.9325, 0.3140,
0.3019

■ 54.2196, 0.3013,
0.5722

■ 81.7880, 0.3141,
0.2989

■ 53.6331, 0.3005,
0.5897

■ 53.3539, 0.3001,
0.5985

■ 53.3088, 0.3000,
0.6000

Harmonies

Analogous

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



63.6013, 0.3580, 0.4198



63.6013, 0.3090, 0.4087



63.6013, 0.2632, 0.3696

Triad

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



63.6013, 0.3090, 0.4087



63.6013, 0.2326, 0.2538



63.6013, 0.3999, 0.3290

Complementary

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



63.6013, 0.3090, 0.4087



47.0688, 0.3159, 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.



63.6013, 0.3609, 0.2918



63.6013, 0.3090, 0.4087



63.6013, 0.2637, 0.2499

Square

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



63.6013, 0.3090, 0.4087



63.6013, 0.2216, 0.2775



63.6013, 0.3100, 0.2637



63.6013, 0.4130, 0.3686

Rectangle

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



63.6013, 0.3090, 0.4087



63.6013, 0.2404, 0.3360



63.6013, 0.3100, 0.2637



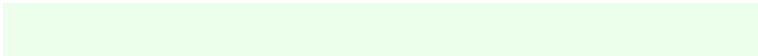
63.6013, 0.3893, 0.3160

Sweetspot

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



63.6040, 0.3090, 0.4087



95.0911, 0.3118, 0.3495



71.2100, 0.3547, 0.3969



20.1687, 0.3116, 0.3536



0.0000, 0.0000, 0.0000



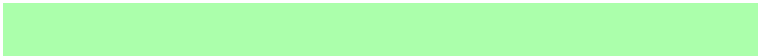
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6040, 0.3090, 0.4087



83.1009, 0.3081, 0.4277



64.7957, 0.2909, 0.3691



15.3376, 0.3116, 0.3532



31.0317, 0.3000, 0.6000



2.1511, 0.3001, 0.6000

Inverse Universe

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



47.0688, 0.3159, 0.2604



57.5403, 0.3165, 0.2468



45.5896, 0.3422, 0.2922



13.9353, 0.3138, 0.3059



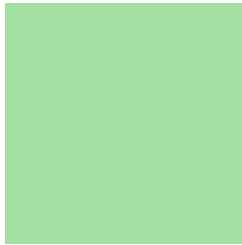
12.3455, 0.3208, 0.1541



0.8558, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 63.6013, 0.3090, 0.4087 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 63.6013, 0.3090, 0.4087 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 63.6013, 0.3090, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 63.6013, 0.3090, 0.4087.



This preview shows how white text looks on a background with the Yxy color 63.6013, 0.3090, 0.4087.

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

63.6013, 0.3090, 0.4087

Protanopia

63.1663, 0.3632, 0.3895

Deuteranopia

62.9758, 0.3723, 0.3650



Tritanopia

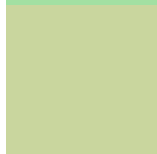
63.5410, 0.2749, 0.3089

Trichromacy



Original Color

63.6013, 0.3090, 0.4087



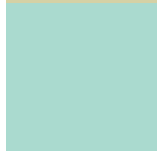
Protanomaly

62.9793, 0.3417, 0.3963



Deuteranomaly

62.4637, 0.3475, 0.3805



Tritanomaly

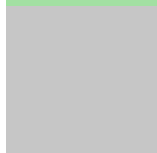
63.1938, 0.2867, 0.3424

Monochromacy



Original Color

63.6013, 0.3090, 0.4087



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.4427, 0.3114, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6013, 0.3090, 0.4087 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(162, 224, 162)` looks like.

```
.text, #text, p{  
    color:rgb(162, 224, 162)  
}
```

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(162, 224, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 224, 162) }
```

Border

The CSS property to change the border of an element to Yxy 63.6013, 0.3090, 0.4087 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(162, 224, 162) }
```

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

```
.border{ border-color:rgb(162, 224, 162) }
```

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

Here you see how a box with a 4 pixel rgb(162, 224, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 224, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 224, 162);  
box-shadow:4px 4px 4px 4px rgb(162, 224,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6013, 0.3090, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 224, 162) }
```

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

```
.background{ background-color: rgb(162,  
224, 162) }
```

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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