

Converting Colors

Yxy(64.9424, 0.3288, 0.4212)

Have a look what the booklet for
Yxy(64.9424, 0.3288, 0.4212)
contains.

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Color

Yxy(65.0970, 0.3283, 0.4211)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | B3E096 |
| RGB | 179, 224, 150 |
| RGB Percent | 70%, 88%, 59% |
| CMY | 0.2980, 0.1216, 0.4118 |
| CMYK | 0.20, 0.00, 0.33, 0.12 |
| HSL | 96°, 54%, 73% |
| HSV | 96°, 33%, 88% |
| XYZ | 50.7512, 65.0970, 38.7397 |
| YIQ | 202.1090, -3.0660, -32.5540 |

Conversions

Conversions Part 2

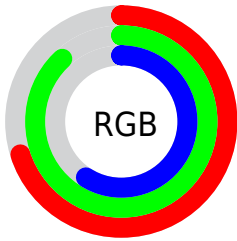
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 150, 224, 195 |
| Decimal | 11788438 |
| CIELab | 84.53, -27.70, 31.61 |
| CIELCh | 85, 42.031, 131.220 |
| Yxy | 65.0970, 0.3283, 0.4211 |
| Android (android.graphics.Color) | 4289978518 (0xFFB3E096) |
| YUV | 202.1090, -25.6897, -20.2666 |
| Hunter-Lab | 80.6827, -28.9142, 28.0098 |

Details

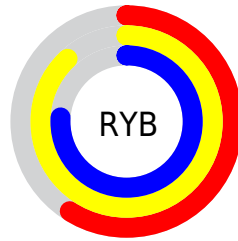
The Yxy color **65.0970, 0.3283, 0.4211** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7929, 0.2907, 0.2407**, and the grayscale version is **59.3006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7606, 0.3298, 0.3801**, and **33.6177, 0.3304, 0.4470** is the 20% darker color. If you saturate the color by 10%, you get **62.9023, 0.3318, 0.4525**, and if you desaturate by 10%, it is **67.5956, 0.3240, 0.3908**.

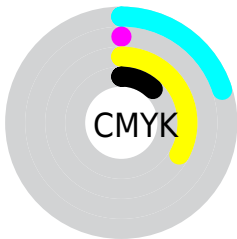
Distribution



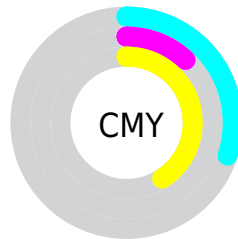
- Red (70%)
- Green (88%)
- Blue (59%)



- Red (59%)
- Yellow (88%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (33%)
- Black (12%)




- Cyan (30%)
- Magenta (12%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0970, 0.3283, 0.4211 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 65.0970, 0.3283, 0.4211 by changing the saturation by 10% instead.

 65.0970, 0.3283,
0.4211

 65.0970, 0.3283,
0.4211


443.1405, 0.3222,
0.3758

 47.5397, 0.3293,
0.4321


 112.1893, 0.3265,
0.4048

 33.4625, 0.3303,
0.4460

 142.4931, 0.3257,
0.3987

 22.4810, 0.3312,
0.4641


177.8146, 0.3250,
0.3934

 14.2108, 0.3315,
0.4884

218.5381, 0.3243,
0.3889

 8.2674, 0.3303,
0.5226

265.0481, 0.3237,
0.3850

 4.2665, 0.3252,
0.5742

317.7288, 0.3232,

 1.8237, 0.3187,

0.3815

0.6813

376.9648, 0.3227,
0.3785

0.5019, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.0970, 0.3283,
0.4211

65.0970, 0.3283,
0.4211

62.9023, 0.3318,
0.4525

67.5956, 0.3240,
0.3908

60.9905, 0.3341,
0.4837

70.4012, 0.3192,
0.3625

59.3509, 0.3348,
0.5133


73.5278, 0.3142,
0.3364


57.9687, 0.3338,
0.5394

76.9858, 0.3092,
0.3129

 56.8272, 0.3308,
0.5604

 80.3263, 0.3087,
0.2984

 55.9073, 0.3262,
0.5751

 81.7937, 0.3141,
0.2989

 55.3793, 0.3224,
0.5822

Harmonies

Analogous

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



65.0970, 0.3772, 0.4202



65.0970, 0.3283, 0.4211



65.0970, 0.2775, 0.3898

Triad

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



65.0970, 0.3283, 0.4211



65.0970, 0.2223, 0.2572



65.0970, 0.3913, 0.3135

Complementary

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



65.0970, 0.3283, 0.4211



38.7929, 0.2907, 0.2407

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.



65.0970, 0.3435, 0.2777



65.0970, 0.3283, 0.4211



65.0970, 0.2470, 0.2457

Square

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



65.0970, 0.3283, 0.4211



65.0970, 0.2191, 0.2894



65.0970, 0.2902, 0.2535



65.0970, 0.4163, 0.3546

Rectangle

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



65.0970, 0.3283, 0.4211



65.0970, 0.2495, 0.3564



65.0970, 0.2902, 0.2535



65.0970, 0.3771, 0.3006

Sweetspot

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



65.0998, 0.3283, 0.4211



95.6423, 0.3178, 0.3545



56.8113, 0.3725, 0.3805



20.3480, 0.3185, 0.3583



0.0000, 0.0000, 0.0000



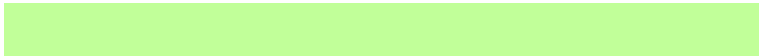
21.4041, 0.3127, 0.3290

Same Dimension

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



65.0998, 0.3283, 0.4211



85.1554, 0.3309, 0.4438



62.2447, 0.3038, 0.4169



15.5979, 0.3174, 0.3528



32.2953, 0.3235, 0.5814



2.2893, 0.3356, 0.5717

Inverse Universe

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



38.7929, 0.2907, 0.2407



44.4518, 0.2844, 0.2200



42.6471, 0.3231, 0.2546



13.6535, 0.3076, 0.3054



6.2569, 0.2253, 0.1015



0.4851, 0.2398, 0.1095

Previews

White Background



This preview shows how the Yxy color 65.0970, 0.3283, 0.4211 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 65.0970, 0.3283, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

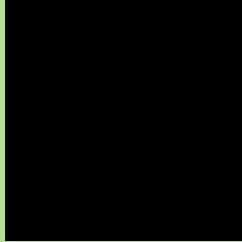
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0970, 0.3283, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 65.0970, 0.3283, 0.4211.

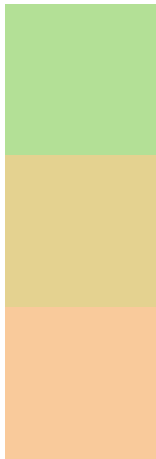


This preview shows how white text looks on a background with the Yxy color 65.0970, 0.3283, 0.4211.

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

65.0970, 0.3283, 0.4211

Protanopia

64.6008, 0.3746, 0.4028

Deuteranopia

64.7474, 0.3869, 0.3789



Tritanopia

64.9390, 0.2857, 0.3094

Trichromacy



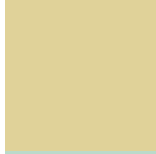
Original Color

65.0970, 0.3283, 0.4211



Protanomaly

64.3778, 0.3569, 0.4098



Deuteranomaly

64.2404, 0.3649, 0.3937



Tritanomaly

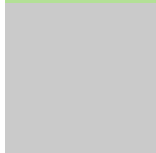
64.9719, 0.3012, 0.3481

Monochromacy



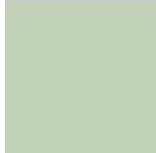
Original Color

65.0970, 0.3283, 0.4211



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.9814, 0.3194, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0970, 0.3283, 0.4211 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(179, 224, 150)` looks like.

```
.text, #text, p{  
    color:rgb(179, 224, 150)  
}
```

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(179, 224, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 224, 150) }
```

Border

The CSS property to change the border of an element to Yxy 65.0970, 0.3283, 0.4211 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(179, 224, 150) }
```

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

```
.border{ border-color:rgb(179, 224, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 224, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 224, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 224, 150);  
box-shadow:4px 4px 4px 4px rgb(179, 224,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0970, 0.3283, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 224, 150) }
```

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

```
.background{ background-color: rgb(179,  
224, 150) }
```

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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