

Converting Colors

Yxy(64.9885, 0.3084, 0.4048)

Have a look what the booklet for
Yxy(64.9885, 0.3084, 0.4048)
contains.

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Color

Yxy(65.1452, 0.3085, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	A5E2A6
RGB	165, 226, 166
RGB Percent	65%, 89%, 65%
CMY	0.3529, 0.1137, 0.3491
CMYK	0.27, 0.00, 0.27, 0.11
HSL	121°, 51%, 77%
HSV	121°, 27%, 89%
XYZ	49.5985, 65.1452, 46.0293
YIQ	200.9210, -17.0960, -31.5920

Conversions

Conversions Part 2

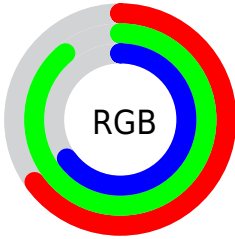
Format	Color
RYB	165, 225, 226
Decimal	10871462
CIELab	84.56, -30.90, 23.27
CIELCh	85, 38.683, 143.011
Yxy	65.1452, 0.3085, 0.4052
Android (android.graphics.Color)	4289061542 (0xFFA5E2A6)
YUV	200.9210, -17.2161, -31.5027
Hunter-Lab	80.7126, -31.5575, 22.6865

Details

The Yxy color **65.1452, 0.3085, 0.4052** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.5255, 0.3166, 0.2630**, and the grayscale version is **58.4770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1126, 0.3111, 0.3644**, and **33.3439, 0.3057, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **62.1875, 0.3067, 0.4391**, and if you desaturate by 10%, it is **68.6778, 0.3102, 0.3741**.

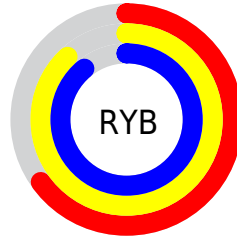
Distribution



Red (65%)

Green (89%)

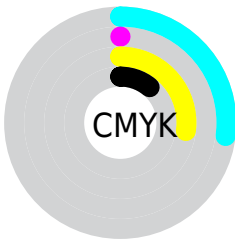
Blue (65%)



Red (65%)

Yellow (88%)

Blue (89%)

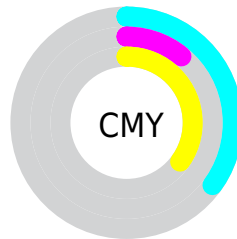


Cyan (27%)

Magenta (0%)

Yellow (27%)

Black (11%)



Cyan (35%)


Magenta (11%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1452, 0.3085, 0.4052 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 65.1452, 0.3085, 0.4052 by changing the saturation by 10% instead.


 65.1452, 0.3085,
0.4052

 65.1452, 0.3085,
0.4052

443.3136, 0.3114,
0.3676

 47.5788, 0.3076,
0.4144


 112.2586, 0.3097,
0.3916

 33.4935, 0.3062,
0.4261


 142.5744, 0.3101,
0.3865

 22.5047, 0.3043,
0.4415


177.9088, 0.3105,
0.3822

 14.2282, 0.3012,
0.4625

218.6462, 0.3107,
0.3784

 8.2796, 0.2960,
0.4927

265.1710, 0.3109,
0.3752

 4.2744, 0.2861,
0.5395


317.8675, 0.3111,

 1.8282, 0.2845,


0.3723


0.6688


377.1203, 0.3113,
0.3698

 0.5047, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 65.1452, 0.3085,
0.4052

 65.1452, 0.3085,
0.4052


 62.1875, 0.3067,
0.4391


 68.6778, 0.3102,
0.3741


 59.7667, 0.3049,
0.4746

 72.8046, 0.3117,
0.3463

 57.8530, 0.3032,
0.5098

 77.5542, 0.3131,
0.3220

 56.4103, 0.3018,
0.5420

 82.8708, 0.3141,
0.3010

■ 55.3979, 0.3007,
0.5686

■ 82.8736, 0.3140,
0.3009

■ 54.7682, 0.3001,
0.5873

■ 54.4601, 0.2999,
0.5974

■ 54.4014, 0.2998,
0.5992

Harmonies

Analogous

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



65.1452, 0.3559, 0.4165



65.1452, 0.3085, 0.4052



65.1452, 0.2644, 0.3674

Triad

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



65.1452, 0.3085, 0.4052



65.1452, 0.2356, 0.2561



65.1452, 0.3972, 0.3298

Complementary

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



65.1452, 0.3085, 0.4052



48.5255, 0.3166, 0.2630

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.



65.1452, 0.3600, 0.2936



65.1452, 0.3085, 0.4052



65.1452, 0.2660, 0.2525

Square

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



65.1452, 0.3085, 0.4052



65.1452, 0.2246, 0.2788



65.1452, 0.3110, 0.2661



65.1452, 0.4094, 0.3682

Rectangle

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



65.1452, 0.3085, 0.4052



65.1452, 0.2424, 0.3350



65.1452, 0.3110, 0.2661



65.1452, 0.3871, 0.3171

Sweetspot

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



65.1480, 0.3085, 0.4052



95.1079, 0.3116, 0.3491



73.2800, 0.3534, 0.3962



20.1728, 0.3113, 0.3532



0.0000, 0.0000, 0.0000



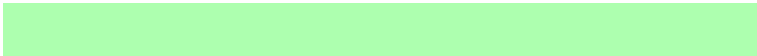
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1480, 0.3085, 0.4052



83.5329, 0.3076, 0.4227



66.3586, 0.2908, 0.3667



15.3408, 0.3114, 0.3528



31.0372, 0.2997, 0.5989



2.1526, 0.2988, 0.5958

Inverse Universe

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



48.5255, 0.3166, 0.2630



58.4379, 0.3174, 0.2503



47.0506, 0.3423, 0.2942



13.9317, 0.3140, 0.3063



12.2478, 0.3249, 0.1563



0.8502, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 65.1452, 0.3085, 0.4052 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 65.1452, 0.3085, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

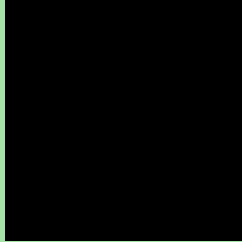
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1452, 0.3085, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 65.1452, 0.3085, 0.4052.



This preview shows how white text looks on a background with the Yxy color 65.1452, 0.3085, 0.4052.

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

65.1452, 0.3085, 0.4052

Protanopia

64.6039, 0.3613, 0.3867

Deuteranopia

64.4144, 0.3702, 0.3625



Tritanopia

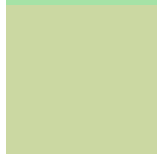
64.9133, 0.2752, 0.3091

Trichromacy



Original Color

65.1452, 0.3085, 0.4052



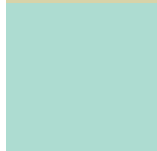
Protanomaly

64.4169, 0.3401, 0.3933



Deuteranomaly

63.9002, 0.3457, 0.3777



Tritanomaly

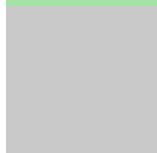
64.6741, 0.2876, 0.3423

Monochromacy



Original Color

65.1452, 0.3085, 0.4052



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.4154, 0.3115, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1452, 0.3085, 0.4052 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(165, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(165, 226, 166)  
}
```

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(165, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 226, 166) }
```

Border

The CSS property to change the border of an element to Yxy 65.1452, 0.3085, 0.4052 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(165, 226, 166) }
```

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

```
.border{ border-color:rgb(165, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(165, 226,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1452, 0.3085, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 226, 166) }
```

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

```
.background{ background-color: rgb(165,  
226, 166) }
```

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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