

Converting Colors

Yxy(65.8706, 0.3155, 0.4011)

Have a look what the booklet for
Yxy(65.8706, 0.3155, 0.4011)
contains.

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Color

Yxy(65.8706, 0.3155, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	B0E1A7
RGB	176, 225, 167
RGB Percent	69%, 88%, 65%
CMY	0.3096, 0.1177, 0.3451
CMYK	0.22, 0.00, 0.26, 0.12
HSL	111°, 49%, 77%
HSV	111°, 26%, 88%
XYZ	51.8130, 65.8706, 46.5413
YIQ	203.7370, -10.5860, -28.4260

Conversions

Conversions Part 2

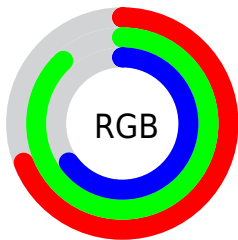
Format	Color
RYB	167, 225, 216
Decimal	11592103
CIELab	84.93, -26.60, 23.36
CIELCh	85, 35.399, 138.706
Yxy	65.8706, 0.3155, 0.4011
Android (android.graphics.Color)	4289782183 (0xFFB0E1A7)
YUV	203.7370, -18.1113, -24.3253
Hunter-Lab	81.1607, -28.0769, 22.8128

Details

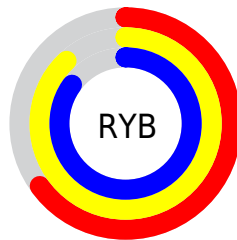
The Yxy color **65.8706, 0.3155, 0.4011** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.6633, 0.3080, 0.2635**, and the grayscale version is **60.3374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9497, 0.3174, 0.3626**, and **34.1248, 0.3144, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **63.0508, 0.3160, 0.4339**, and if you desaturate by 10%, it is **69.1505, 0.3146, 0.3708**.

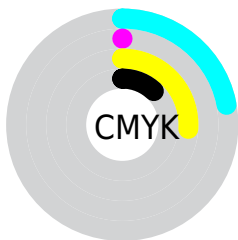
Distribution



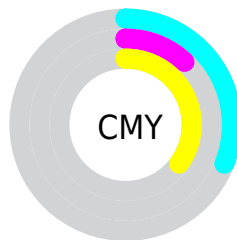
- Red (69%)
- Green (88%)
- Blue (65%)



- Red (65%)
- Yellow (88%)
- Blue (85%)



- Cyan (22%)
- Magenta (0%)
- Yellow (26%)
- Black (12%)





- Cyan (31%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8706, 0.3155, 0.4011 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 65.8706, 0.3155, 0.4011 by changing the saturation by 10% instead.


 65.8706, 0.3155,
0.4011


 65.8706, 0.3155,
0.4011


445.9140, 0.3150,
0.3657

 48.1674, 0.3154,
0.4097


 113.3006, 0.3155,
0.3884

 33.9594, 0.3151,
0.4206


 143.7961, 0.3154,
0.3836

 22.8624, 0.3145,
0.4348


179.3246, 0.3154,
0.3795

 14.4920, 0.3133,
0.4541

220.2703, 0.3153,
0.3760

 8.4636, 0.3108,
0.4818

267.0177, 0.3152,
0.3729

 4.3930, 0.3051,
0.5241


319.9512, 0.3151,

 1.8958, 0.3095,


0.3702

0.6348

379.4551, 0.3151,
0.3678


 0.5458, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 65.8706, 0.3155,
0.4011


 65.8706, 0.3155,
0.4011


 63.0508, 0.3160,
0.4339


 69.1505, 0.3146,
0.3708


 60.6622, 0.3159,
0.4682

 72.9009, 0.3135,
0.3434

 58.6860, 0.3152,
0.5024

 77.1426, 0.3122,
0.3191

 57.0982, 0.3136,
0.5341

 81.7632, 0.3120,
0.2997

■ 55.8727, 0.3114,
0.5611

■ 82.3274, 0.3141,
0.2999

■ 54.9798, 0.3084,
0.5812

■ 54.3847, 0.3052,
0.5933

■ 54.2067, 0.3041,
0.5968

Harmonies

Analogous

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



65.8706, 0.3582, 0.4080



65.8706, 0.3155, 0.4011



65.8706, 0.2739, 0.3698

Triad

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



65.8706, 0.3155, 0.4011



65.8706, 0.2393, 0.2642



65.8706, 0.3860, 0.3250

Complementary

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



65.8706, 0.3155, 0.4011



47.6633, 0.3080, 0.2635

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.



65.8706, 0.3498, 0.2923



65.8706, 0.3155, 0.4011



65.8706, 0.2651, 0.2581

Square

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



65.8706, 0.3155, 0.4011



65.8706, 0.2319, 0.2879



65.8706, 0.3049, 0.2685



65.8706, 0.4009, 0.3605

Rectangle

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



65.8706, 0.3155, 0.4011



65.8706, 0.2521, 0.3411



65.8706, 0.3049, 0.2685



65.8706, 0.3758, 0.3135

Sweetspot

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



65.8734, 0.3155, 0.4011



95.6348, 0.3137, 0.3494



67.5650, 0.3540, 0.3833



20.3042, 0.3139, 0.3534



0.0000, 0.0000, 0.0000



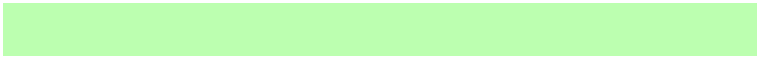
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8734, 0.3155, 0.4011



85.3806, 0.3158, 0.4187



65.6221, 0.2975, 0.3772



15.4394, 0.3139, 0.3531



31.2704, 0.3047, 0.5963



2.1997, 0.3135, 0.5893

Inverse Universe

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



47.6633, 0.3080, 0.2635



57.2457, 0.3067, 0.2493



48.0837, 0.3320, 0.2853



13.8217, 0.3113, 0.3057



9.4742, 0.2819, 0.1326



0.6863, 0.2882, 0.1362

Previews

White Background



This preview shows how the Yxy color 65.8706, 0.3155, 0.4011 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 65.8706, 0.3155, 0.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

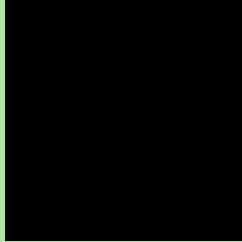
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8706, 0.3155, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 65.8706, 0.3155, 0.4011.

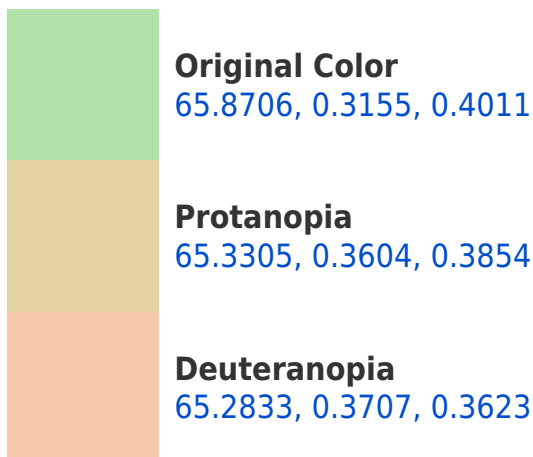


This preview shows how white text looks on a background with the Yxy color 65.8706, 0.3155, 0.4011.

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





Tritanopia

65.5597, 0.2820, 0.3094

Trichromacy



Original Color

65.8706, 0.3155, 0.4011

Protanomaly

65.1660, 0.3433, 0.3912

Deuteranomaly

64.8630, 0.3498, 0.3758

Tritanomaly

65.3338, 0.2941, 0.3409

Monochromacy



Original Color

65.8706, 0.3155, 0.4011

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.3179, 0.3137, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8706, 0.3155, 0.4011 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(176, 225, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 225, 167)  
}
```

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(176, 225, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 225, 167) }
```

Border

The CSS property to change the border of an element to Yxy 65.8706, 0.3155, 0.4011 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(176, 225, 167) }
```

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

```
.border{ border-color:rgb(176, 225, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 225, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 225, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 225, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 225,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8706, 0.3155, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 225, 167) }
```

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

```
.background{ background-color: rgb(176,  
225, 167) }
```

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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