

Converting Colors

Yxy(63.6185, 0.2848, 0.4116)

Have a look what the booklet for
Yxy(63.6185, 0.2848, 0.4116)
contains.

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Color

Yxy(63.4550, 0.2849, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	80E5A8
RGB	128, 229, 168
RGB Percent	50%, 90%, 66%
CMY	0.4978, 0.1020, 0.3411
CMYK	0.44, 0.00, 0.27, 0.10
HSL	144°, 66%, 70%
HSV	144°, 44%, 90%
XYZ	43.9969, 63.4550, 46.9774
YIQ	191.8470, -40.6150, -40.3830

Conversions

Conversions Part 2

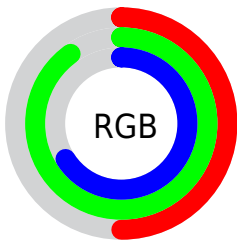
Format	Color
RYB	128, 200, 229
Decimal	8447400
CIELab	83.68, -42.88, 20.74
CIELCh	84, 47.631, 154.190
Yxy	63.4550, 0.2849, 0.4109
Android (android.graphics.Color)	4286637480 (0xFF80E5A8)
YUV	191.8470, -11.7566, -55.9938
Hunter-Lab	79.6586, -40.8139, 20.7957

Details

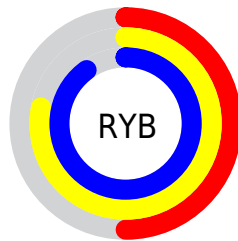
The Yxy color **63.4550, 0.2849, 0.4109** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.7894, 0.3580, 0.2603**, and the grayscale version is **52.7163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1620, 0.2888, 0.3643**, and **32.4877, 0.2763, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **61.3880, 0.2806, 0.4338**, and if you desaturate by 10%, it is **65.9829, 0.2903, 0.3893**.

Distribution



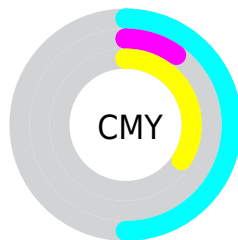
- Red (50%)
- Green (90%)
- Blue (66%)



- Red (50%)
- Yellow (78%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4550, 0.2849, 0.4109 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 63.4550, 0.2849, 0.4109 by changing the saturation by 10% instead.


 63.4550, 0.2849,
0.4109


 63.4550, 0.2849,
0.4109


437.2189, 0.2991,
0.3699


 46.2094, 0.2813,
0.4211


 109.8257, 0.2901,
0.3960

 32.4111, 0.2766,
0.4341


 139.7195, 0.2921,
0.3904

 21.6757, 0.2703,
0.4514


 174.5983, 0.2937,
0.3857

 13.6188, 0.2614,
0.4752

214.8463, 0.2951,
0.3817

 7.8560, 0.2480,
0.5101

260.8479, 0.2963,
0.3781

 4.0030, 0.2261,
0.5655

312.9877, 0.2974,

 1.6752, 0.1732,

0.3751

0.7389

371.6499, 0.2983,
0.3723

0.4075, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.4550, 0.2849,
0.4109

63.4550, 0.2849,
0.4109

61.3880, 0.2806,
0.4338

65.9829, 0.2903,
0.3893

59.7449, 0.2778,
0.4575


68.9901, 0.2964,
0.3693


58.4961, 0.2767,
0.4812

72.5037, 0.3031,
0.3513

57.6039, 0.2776,
0.5040


76.5462, 0.3099,
0.3351

 57.0232, 0.2802,
0.5250

 81.1389, 0.3168,
0.3207

 56.7846, 0.2823,
0.5364

 84.2629, 0.3164,
0.3076

 84.5158, 0.3139,
0.3039

Harmonies

Analogous

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



63.4550, 0.3434, 0.4382



63.4550, 0.2849, 0.4109



63.4550, 0.2367, 0.3540

Triad

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



63.4550, 0.2849, 0.4109



63.4550, 0.2298, 0.2360



63.4550, 0.4276, 0.3458

Complementary

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



63.4550, 0.2849, 0.4109



35.7894, 0.3580, 0.2603

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.



63.4550, 0.3914, 0.3007



63.4550, 0.2849, 0.4109



63.4550, 0.2738, 0.2403

Square

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



63.4550, 0.2849, 0.4109



63.4550, 0.2078, 0.2536



63.4550, 0.3330, 0.2634



63.4550, 0.4285, 0.3914

Rectangle

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



63.4550, 0.2849, 0.4109



63.4550, 0.2161, 0.3131



63.4550, 0.3330, 0.2634



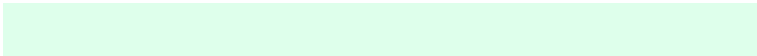
63.4550, 0.4192, 0.3303

Sweetspot

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



63.4576, 0.2849, 0.4109



93.0223, 0.3037, 0.3496



68.5827, 0.3486, 0.4492



19.6820, 0.3022, 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.



63.4576, 0.2849, 0.4109



78.5324, 0.2809, 0.4321



65.6514, 0.2591, 0.3437



16.1832, 0.3062, 0.3435



32.4904, 0.2815, 0.5335



2.4188, 0.2734, 0.5041

Inverse Universe

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



35.7894, 0.3580, 0.2603



38.8983, 0.3718, 0.2471



34.0017, 0.4155, 0.3157



14.5136, 0.3198, 0.3149



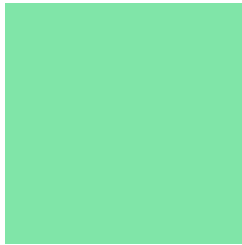
10.6040, 0.4519, 0.2263



0.8018, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 63.4550, 0.2849, 0.4109 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 63.4550, 0.2849, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

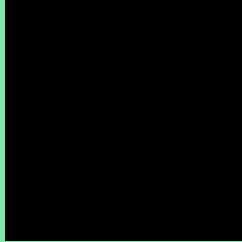
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4550, 0.2849, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 63.4550, 0.2849, 0.4109.

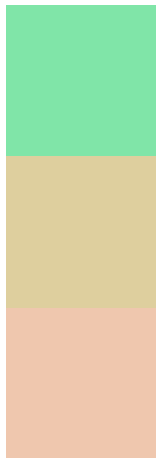


This preview shows how white text looks on a background with the Yxy color 63.4550, 0.2849, 0.4109.

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

63.4550, 0.2849, 0.4109

Protanopia

62.6239, 0.3605, 0.3852

Deuteranopia

62.2536, 0.3646, 0.3565



Tritanopia

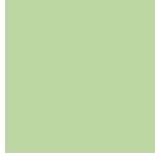
63.3792, 0.2553, 0.3070

Trichromacy



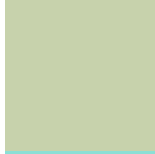
Original Color

63.4550, 0.2849, 0.4109



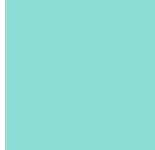
Protanomaly

61.9009, 0.3287, 0.3946



Deuteranomaly

61.2139, 0.3311, 0.3750



Tritanomaly

63.0684, 0.2656, 0.3416

Monochromacy



Original Color

63.4550, 0.2849, 0.4109



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.5166, 0.3010, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4550, 0.2849, 0.4109 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(128, 229, 168)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 168)  
}
```

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(128, 229, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 168) }
```

Border

The CSS property to change the border of an element to Yxy 63.4550, 0.2849, 0.4109 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(128, 229, 168) }
```

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

```
.border{ border-color:rgb(128, 229, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 168);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4550, 0.2849, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 168) }
```

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

```
.background{ background-color: rgb(128,  
229, 168) }
```

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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