

Converting Colors

$Yxy(63.5494, 0.2875, 0.4127)$

Have a look what the booklet for
Yxy(63.5494, 0.2875, 0.4127)
contains.

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Color

Yxy(63.6171, 0.2876, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	83E5A6
RGB	131, 229, 166
RGB Percent	51%, 90%, 65%
CMY	0.4864, 0.1019, 0.3491
CMYK	0.43, 0.00, 0.28, 0.10
HSL	141°, 65%, 71%
HSV	141°, 43%, 90%
XYZ	44.2581, 63.6171, 46.0124
YIQ	192.5160, -38.1850, -40.3690

Conversions

Conversions Part 2

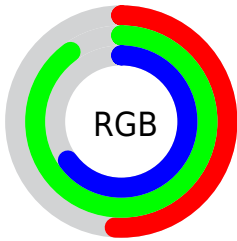
Format	Color
RYB	131, 203, 229
Decimal	8644006
CIELab	83.77, -42.48, 21.93
CIELCh	84, 47.806, 152.700
Yxy	63.6171, 0.2876, 0.4134
Android (android.graphics.Color)	4286834086 (0xFF83E5A6)
YUV	192.5160, -13.0724, -53.9495
Hunter-Lab	79.7603, -40.5331, 21.6288

Details

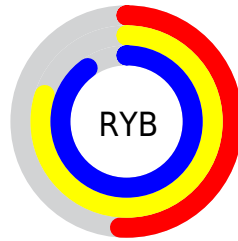
The Yxy color **63.6171, 0.2876, 0.4134** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.7819, 0.3522, 0.2582**, and the grayscale version is **53.1219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4318, 0.2915, 0.3664**, and **32.5979, 0.2800, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **61.4794, 0.2835, 0.4377**, and if you desaturate by 10%, it is **66.2260, 0.2927, 0.3905**.

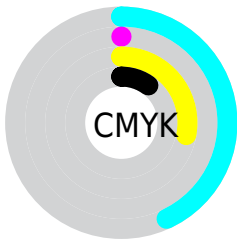
Distribution



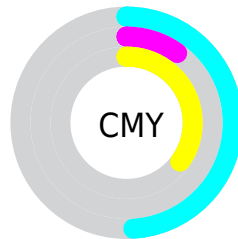
- Red (51%)
- Green (90%)
- Blue (65%)



- Red (51%)
- Yellow (80%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6171, 0.2876, 0.4134 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 63.6171, 0.2876, 0.4134 by changing the saturation by 10% instead.


 63.6171, 0.2876,
0.4134


 63.6171, 0.2876,
0.4134

437.8056, 0.3006,
0.3712


 46.3406, 0.2842,
0.4239


 110.0593, 0.2924,
0.3981

 32.5147, 0.2798,
0.4373


 139.9938, 0.2942,
0.3923

 21.7549, 0.2739,
0.4551


 174.9165, 0.2957,
0.3874

 13.6769, 0.2655,
0.4797

215.2117, 0.2970,
0.3833

 7.8963, 0.2528,
0.5156

261.2638, 0.2981,
0.3796

 4.0287, 0.2315,
0.5724

313.4572, 0.2990,

 1.6896, 0.1847,

0.3765

0.7585

372.1764, 0.2999,
0.3737

0.4169, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.6171, 0.2876,
0.4134

63.6171, 0.2876,
0.4134

61.4794, 0.2835,
0.4377

66.2260, 0.2927,
0.3905

59.7760, 0.2808,
0.4628


69.3246, 0.2985,
0.3695


58.4771, 0.2797,
0.4878

72.9400, 0.3046,
0.3504


57.5456, 0.2804,
0.5117


77.0950, 0.3109,
0.3334

 56.9370, 0.2829,
0.5334

 81.8108, 0.3172,
0.3184

 56.6493, 0.2854,
0.5473

 84.4803, 0.3143,
0.3045

 84.5237, 0.3139,
0.3039

Harmonies

Analogous

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



63.6171, 0.3463, 0.4388



63.6171, 0.2876, 0.4134



63.6171, 0.2385, 0.3572

Triad

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



63.6171, 0.2876, 0.4134



63.6171, 0.2279, 0.2361



63.6171, 0.4269, 0.3435

Complementary

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



63.6171, 0.2876, 0.4134



36.7819, 0.3522, 0.2582

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.



63.6171, 0.3891, 0.2985



63.6171, 0.2876, 0.4134



63.6171, 0.2710, 0.2394

Square

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



63.6171, 0.2876, 0.4134



63.6171, 0.2070, 0.2549



63.6171, 0.3300, 0.2617



63.6171, 0.4296, 0.3894

Rectangle

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



63.6171, 0.2876, 0.4134



63.6171, 0.2171, 0.3159



63.6171, 0.3300, 0.2617



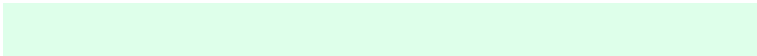
63.6171, 0.4179, 0.3280

Sweetspot

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



63.6197, 0.2876, 0.4134



92.9484, 0.3044, 0.3509



69.2438, 0.3502, 0.4446



19.6639, 0.3031, 0.3550



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.



63.6197, 0.2876, 0.4134



78.8311, 0.2841, 0.4340



65.7379, 0.2619, 0.3475



16.1738, 0.3067, 0.3445



32.4073, 0.2846, 0.5445



2.4120, 0.2763, 0.5148

Inverse Universe

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



36.7819, 0.3522, 0.2582



40.4966, 0.3633, 0.2451



34.9519, 0.4073, 0.3122



14.5233, 0.3192, 0.3140



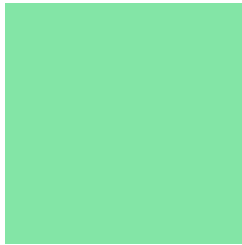
10.7567, 0.4363, 0.2177



0.8124, 0.4151, 0.2060

Previews

White Background



This preview shows how the Yxy color 63.6171, 0.2876, 0.4134 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 63.6171, 0.2876, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

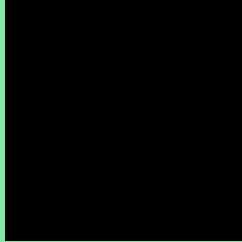
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6171, 0.2876, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 63.6171, 0.2876, 0.4134.



This preview shows how white text looks on a background with the Yxy color 63.6171, 0.2876, 0.4134.

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

63.6171, 0.2876, 0.4134

Protanopia

62.5555, 0.3620, 0.3875

Deuteranopia

62.8124, 0.3667, 0.3597



Tritanopia

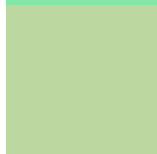
63.5039, 0.2568, 0.3083

Trichromacy



Original Color

63.6171, 0.2876, 0.4134



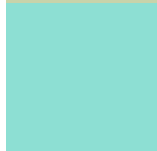
Protanomaly

61.9578, 0.3308, 0.3969



Deuteranomaly

61.7702, 0.3331, 0.3784



Tritanomaly

63.1412, 0.2677, 0.3441

Monochromacy



Original Color

63.6171, 0.2876, 0.4134



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.1076, 0.3017, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6171, 0.2876, 0.4134 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(131, 229, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 229, 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(131, 229, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 229, 166) }
```

Border

The CSS property to change the border of an element to Yxy 63.6171, 0.2876, 0.4134 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(131, 229, 166) }
```

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

```
.border{ border-color:rgb(131, 229, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 229, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 229, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 229, 166); box-shadow:4px 4px 4px 4px rgb(131, 229, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6171, 0.2876, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 229, 166) }
```

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

```
.background{ background-color: rgb(131,  
229, 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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