

Converting Colors

$Yxy(64.9064, 0.2838, 0.4052)$

Have a look what the booklet for
Yxy(64.9064, 0.2838, 0.4052)
contains.

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Color

Yxy(64.9943, 0.2840, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	83E7AD
RGB	131, 231, 173
RGB Percent	51%, 91%, 68%
CMY	0.4860, 0.0941, 0.3216
CMYK	0.43, 0.00, 0.25, 0.09
HSL	145°, 68%, 71%
HSV	145°, 43%, 91%
XYZ	45.4864, 64.9943, 49.6827
YIQ	194.4880, -40.9820, -39.2380

Conversions

Conversions Part 2

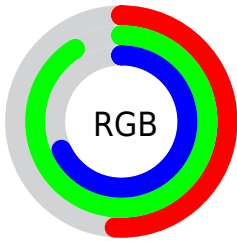
Format	Color
RYB	131, 201, 231
Decimal	8644525
CIELab	84.48, -42.01, 19.27
CIELCh	84, 46.219, 155.359
Yxy	64.9943, 0.2840, 0.4058
Android (android.graphics.Color)	4286834605 (0xFF83E7AD)
YUV	194.4880, -10.5936, -55.6790
Hunter-Lab	80.6190, -40.3711, 19.8950

Details

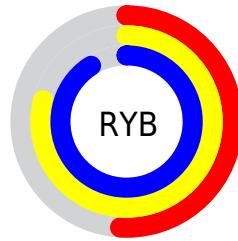
The Yxy color **64.9943, 0.2840, 0.4058** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.9158, 0.3595, 0.2640**, and the grayscale version is **54.3457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8685, 0.2873, 0.3574**, and **33.4719, 0.2758, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **62.8591, 0.2794, 0.4277**, and if you desaturate by 10%, it is **67.5981, 0.2897, 0.3852**.

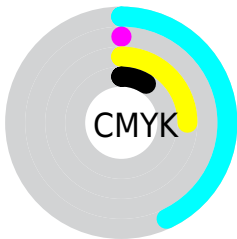
Distribution



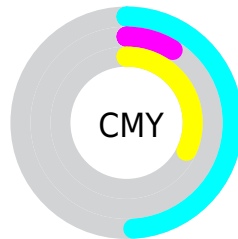
- Red (51%)
- Green (91%)
- Blue (68%)



- Red (51%)
- Yellow (79%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)



- Cyan (49%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9943, 0.2840, 0.4058 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 64.9943, 0.2840, 0.4058 by changing the saturation by 10% instead.

 64.9943, 0.2840,
0.4058


 64.9943, 0.2840,
0.4058


442.7715, 0.2985,
0.3676


 47.4565, 0.2804,
0.4152


 112.0417, 0.2893,
0.3920

 33.3966, 0.2757,
0.4272


 142.3200, 0.2913,
0.3868

 22.4305, 0.2695,
0.4431


 177.6139, 0.2929,
0.3824

 14.1735, 0.2608,
0.4649

218.3078, 0.2944,
0.3786

 8.2415, 0.2480,
0.4967

264.7862, 0.2956,
0.3753

 4.2498, 0.2274,
0.5467

317.4333, 0.2967,

 1.8143, 0.1838,

0.3724

0.6693

376.6336, 0.2976,
0.3699

0.4961, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.9943, 0.2840,
0.4058

64.9943, 0.2840,
0.4058

62.8591, 0.2794,
0.4277

67.5981, 0.2897,
0.3852

61.1554, 0.2763,
0.4504


70.6890, 0.2962,
0.3662


59.8532, 0.2749,
0.4733


74.2942, 0.3032,
0.3490


58.9150, 0.2755,
0.4956

78.4366, 0.3104,
0.3336

 58.2955, 0.2779,
0.5163

 83.1375, 0.3176,
0.3200

 58.0109, 0.2803,
0.5292

 85.5288, 0.3148,
0.3073

 85.6290, 0.3138,
0.3058

Harmonies

Analogous

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



64.9943, 0.3403, 0.4335



64.9943, 0.2840, 0.4058



64.9943, 0.2380, 0.3508

Triad

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



64.9943, 0.2840, 0.4058



64.9943, 0.2339, 0.2389



64.9943, 0.4240, 0.3473

Complementary

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



64.9943, 0.2840, 0.4058



36.9158, 0.3595, 0.2640

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.



64.9943, 0.3904, 0.3034



64.9943, 0.2840, 0.4058



64.9943, 0.2773, 0.2437

Square

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



64.9943, 0.2840, 0.4058



64.9943, 0.2116, 0.2553



64.9943, 0.3347, 0.2668



64.9943, 0.4237, 0.3912

Rectangle

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



64.9943, 0.2840, 0.4058



64.9943, 0.2186, 0.3118



64.9943, 0.3347, 0.2668



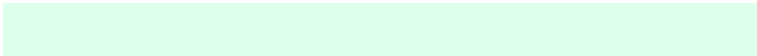
64.9943, 0.4163, 0.3323

Sweetspot

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



64.9970, 0.2840, 0.4058



93.0682, 0.3033, 0.3487



69.6543, 0.3456, 0.4479



19.6933, 0.3017, 0.3524



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.



64.9970, 0.2840, 0.4058



78.9030, 0.2798, 0.4255



67.2896, 0.2582, 0.3392



16.1890, 0.3059, 0.3430



32.5468, 0.2795, 0.5263



2.4233, 0.2715, 0.4972

Inverse Universe

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



36.9158, 0.3595, 0.2640



39.4176, 0.3738, 0.2514



35.1147, 0.4167, 0.3197



14.5076, 0.3202, 0.3154



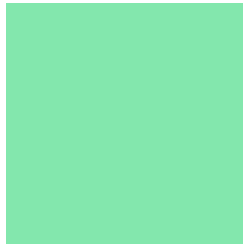
10.5155, 0.4617, 0.2317



0.7955, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 64.9943, 0.2840, 0.4058 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 64.9943, 0.2840, 0.4058 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 64.9943, 0.2840, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 64.9943, 0.2840, 0.4058.



This preview shows how white text looks on a background with the Yxy color 64.9943, 0.2840, 0.4058.

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

64.9943, 0.2840, 0.4058

Protanopia

64.0926, 0.3578, 0.3813

Deuteranopia

64.1965, 0.3614, 0.3541



Tritanopia

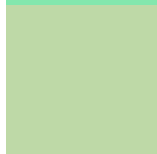
64.7369, 0.2557, 0.3072

Trichromacy



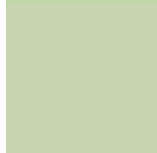
Original Color

64.9943, 0.2840, 0.4058



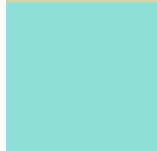
Protanomaly

63.3629, 0.3265, 0.3902



Deuteranomaly

63.1803, 0.3286, 0.3720



Tritanomaly

64.4710, 0.2654, 0.3402

Monochromacy



Original Color

64.9943, 0.2840, 0.4058



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.4703, 0.3004, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9943, 0.2840, 0.4058 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, 231, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 231, 173)  
}
```

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, 231, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 231, 173) }
```

Border

The CSS property to change the border of an element to Yxy 64.9943, 0.2840, 0.4058 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, 231, 173) }
```

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

```
.border{ border-color:rgb(131, 231, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 231, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 231, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 231, 173);  
box-shadow:4px 4px 4px 4px rgb(131, 231,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9943, 0.2840, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 231, 173) }
```

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

```
.background{ background-color: rgb(131,  
231, 173) }
```

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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