

Converting Colors

Yxy(58.4031, 0.2983, 0.4456)

Have a look what the booklet for
Yxy(58.4031, 0.2983, 0.4456)
contains.

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Color

Yxy(58.3917, 0.2981, 0.4453)

Conversions

Conversions Part 1

Format	Color
Hex	7CDE8B
RGB	124, 222, 139
RGB Percent	49%, 87%, 55%
CMY	0.5139, 0.1294, 0.4548
CMYK	0.44, 0.00, 0.37, 0.13
HSL	129°, 60%, 68%
HSV	129°, 44%, 87%
XYZ	39.0895, 58.3917, 33.6477
YIQ	183.2360, -31.7650, -46.5890

Conversions

Conversions Part 2

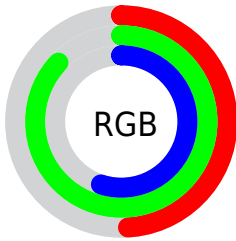
Format	Color
RYB	124, 209, 222
Decimal	8183435
CIELab	80.96, -46.08, 31.95
CIELCh	81, 56.076, 145.267
Yxy	58.3917, 0.2981, 0.4453
Android (android.graphics.Color)	4286373515 (0xFF7CDE8B)
YUV	183.2360, -21.8083, -51.9500
Hunter-Lab	76.4145, -42.4143, 27.3829

Details

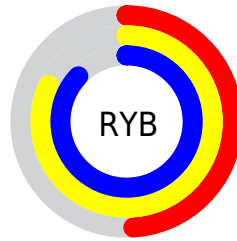
The Yxy color **58.3917, 0.2981, 0.4453** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **34.4346, 0.3326, 0.2357**, and the grayscale version is **47.6210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1940, 0.3024, 0.3997**, and **29.1703, 0.2913, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **56.4200, 0.2957, 0.4769**, and if you desaturate by 10%, it is **60.8349, 0.3011, 0.4148**.

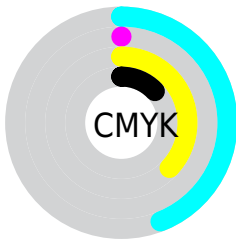
Distribution



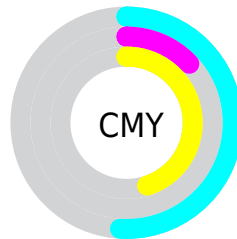
- Red (49%)
- Green (87%)
- Blue (55%)



- Red (49%)
- Yellow (82%)
- Blue (87%)



- Cyan (44%)
- Magenta (0%)
- Yellow (37%)
- Black (13%)





- Cyan (51%)
- Magenta (13%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3917, 0.2981, 0.4453 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 58.3917, 0.2981, 0.4453 by changing the saturation by 10% instead.


 58.3917, 0.2981,
0.4453


 58.3917, 0.2981,
0.4453


418.6439, 0.3072,
0.3857

 42.1236, 0.2953,
0.4605


 102.4930, 0.3018,
0.4234

 29.1981, 0.2913,
0.4800


 131.0951, 0.3031,
0.4152

 19.2307, 0.2854,
0.5061


 164.5773, 0.3042,
0.4084

 11.8371, 0.2763,
0.5424

203.3240, 0.3050,
0.4025

 6.6329, 0.2607,
0.5955

247.7196, 0.3057,
0.3974

 3.2336, 0.2383,
0.6985

298.1486, 0.3063,

 1.2549, 0.0217,

0.3930

0.9783

354.9952, 0.3068,
0.3891

■ 0.1058, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3917, 0.2981,
0.4453

■ 58.3917, 0.2981,
0.4453

■ 56.4200, 0.2957,
0.4769

■ 60.8349, 0.3011,
0.4148

■ 54.8823, 0.2941,
0.5082


■ 63.7697, 0.3044,
0.3863


■ 53.7475, 0.2936,
0.5371

■ 67.2239, 0.3078,
0.3606


■ 52.9767, 0.2942,
0.5617

■ 71.2209, 0.3113,
0.3377

 52.5234, 0.2957,
0.5803

 75.7830, 0.3147,
0.3176

 52.3644, 0.2967,
0.5882

 80.5203, 0.3163,
0.3000

 80.7280, 0.3142,
0.2970

Harmonies

Analogous

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



58.3917, 0.3679, 0.4620



58.3917, 0.2981, 0.4453



58.3917, 0.2359, 0.3819

Triad

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



58.3917, 0.2981, 0.4453



58.3917, 0.2040, 0.2219



58.3917, 0.4430, 0.3306

Complementary

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



58.3917, 0.2981, 0.4453



34.4346, 0.3326, 0.2357

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.



58.3917, 0.3883, 0.2804



58.3917, 0.2981, 0.4453



58.3917, 0.2477, 0.2206

Square

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



58.3917, 0.2981, 0.4453



58.3917, 0.1868, 0.2494



58.3917, 0.3141, 0.2415



58.3917, 0.4561, 0.3847

Rectangle

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



58.3917, 0.2981, 0.4453



58.3917, 0.2069, 0.3300



58.3917, 0.3141, 0.2415



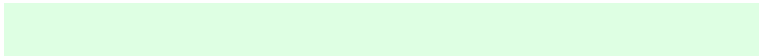
58.3917, 0.4287, 0.3130

Sweetspot

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



58.3941, 0.2981, 0.4453



92.5692, 0.3082, 0.3580



67.0107, 0.3665, 0.4419



19.5712, 0.3074, 0.3634



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.



58.3941, 0.2981, 0.4453



77.4147, 0.2959, 0.4745



60.1465, 0.2711, 0.3751



15.3715, 0.3095, 0.3494



31.1105, 0.2963, 0.5865



2.1672, 0.2894, 0.5619

Inverse Universe

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



34.4346, 0.3326, 0.2357



40.6095, 0.3378, 0.2184



32.4111, 0.3873, 0.2884



13.8975, 0.3161, 0.3094



11.3905, 0.3639, 0.1778



0.7995, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 58.3917, 0.2981, 0.4453 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 58.3917, 0.2981, 0.4453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

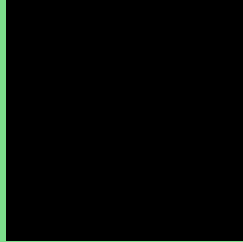
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3917, 0.2981, 0.4453

Background



This preview shows how black text looks on a background with the Yxy color 58.3917, 0.2981, 0.4453.

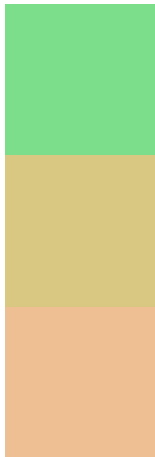


This preview shows how white text looks on a background with the Yxy color 58.3917, 0.2981, 0.4453.

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

58.3917, 0.2981, 0.4453

Protanopia

57.6720, 0.3796, 0.4107

Deuteranopia

57.3415, 0.3884, 0.3791



Tritanopia

58.0296, 0.2577, 0.3075

Trichromacy



Original Color

58.3917, 0.2981, 0.4453



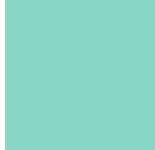
Protanomaly

56.8725, 0.3459, 0.4247



Deuteranomaly

55.9600, 0.3513, 0.4025



Tritanomaly

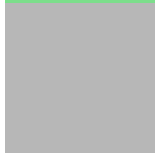
57.8206, 0.2720, 0.3541

Monochromacy



Original Color

58.3917, 0.2981, 0.4453



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.4039, 0.3069, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3917, 0.2981, 0.4453 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(124, 222, 139)` looks like.

```
.text, #text, p{  
    color:rgb(124, 222, 139)  
}
```

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(124, 222, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 222, 139) }
```

Border

The CSS property to change the border of an element to Yxy 58.3917, 0.2981, 0.4453 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(124, 222, 139) }
```

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

```
.border{ border-color:rgb(124, 222, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 222, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 222, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 222, 139); box-shadow:4px 4px 4px 4px rgb(124, 222, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3917, 0.2981, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 222, 139) }
```

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

```
.background{ background-color: rgb(124,  
222, 139) }
```

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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