

Converting Colors

Yxy(58.4339, 0.3049, 0.4375)

Have a look what the booklet for
Yxy(58.4339, 0.3049, 0.4375)
contains.

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Color

Yxy(58.4279, 0.3051, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	89DC8D
RGB	137, 220, 141
RGB Percent	54%, 86%, 55%
CMY	0.4624, 0.1373, 0.4470
CMYK	0.38, 0.00, 0.36, 0.14
HSL	123°, 54%, 70%
HSV	123°, 38%, 86%
XYZ	40.7273, 58.4279, 34.3332
YIQ	186.1770, -24.1090, -42.1650

Conversions

Conversions Part 2

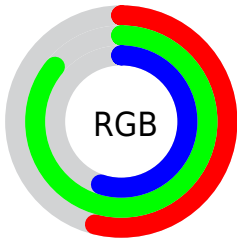
Format	Color
RYB	137, 216, 220
Decimal	9034893
CIELab	80.98, -41.05, 31.07
CIElCh	81, 51.483, 142.876
Yxy	58.4279, 0.3051, 0.4377
Android (android.graphics.Color)	4287224973 (0xFF89DC8D)
YUV	186.1770, -22.2723, -43.1282
Hunter-Lab	76.4381, -38.6594, 26.8758

Details

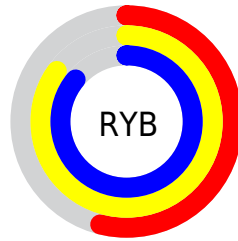
The Yxy color **58.4279, 0.3051, 0.4377** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **38.0890, 0.3207, 0.2401**, and the grayscale version is **49.3556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7976, 0.3084, 0.3959**, and **29.0829, 0.3001, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **56.1896, 0.3031, 0.4722**, and if you desaturate by 10%, it is **61.1683, 0.3072, 0.4048**.

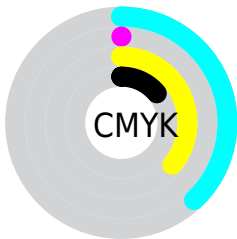
Distribution



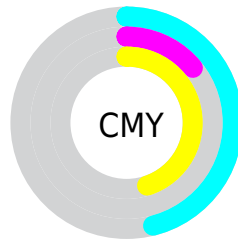
- Red (54%)
- Green (86%)
- Blue (55%)



- Red (54%)
- Yellow (85%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (36%)
- Black (14%)



- Cyan (46%)
- Magenta (14%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4279, 0.3051, 0.4377 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 58.4279, 0.3051, 0.4377 by changing the saturation by 10% instead.


 58.4279, 0.3051,
0.4377


 58.4279, 0.3051,
0.4377


418.7785, 0.3106,
0.3823


 42.1528, 0.3032,
0.4517


 102.5457, 0.3075,
0.4174

 29.2209, 0.3004,
0.4698


 131.1572, 0.3083,
0.4098

 19.2480, 0.2963,
0.4938


 164.6495, 0.3089,
0.4034

 11.8496, 0.2894,
0.5271

203.4072, 0.3094,
0.3980

 6.6414, 0.2774,
0.5758

247.8145, 0.3098,
0.3932

 3.2388, 0.2595,
0.6671

298.2559, 0.3101,

 1.2577, 0.1084,

0.3891

0.8916

355.1158, 0.3104,
0.3855

■ 0.1081, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4279, 0.3051,
0.4377

■ 58.4279, 0.3051,
0.4377

■ 56.1896, 0.3031,
0.4722

■ 61.1683, 0.3072,
0.4048

■ 54.4160, 0.3014,
0.5066

■ 64.4307, 0.3093,
0.3745

■ 53.0767, 0.3000,
0.5385

■ 68.2429, 0.3113,
0.3475

■ 52.1342, 0.2993,
0.5652

■ 72.6288, 0.3131,
0.3238

■ 51.5449, 0.2991,
0.5847

■ 77.6106, 0.3148,
0.3032

■ 51.2501, 0.2994,
0.5960

■ 79.6620, 0.3143,
0.2950

■ 51.2048, 0.2993,
0.5976

Harmonies

Analogous

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



58.4279, 0.3694, 0.4503



58.4279, 0.3051, 0.4377



58.4279, 0.2461, 0.3829

Triad

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



58.4279, 0.3051, 0.4377



58.4279, 0.2096, 0.2309



58.4279, 0.4295, 0.3273

Complementary

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



58.4279, 0.3051, 0.4377



38.0890, 0.3207, 0.2401

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.



58.4279, 0.3771, 0.2808



58.4279, 0.3051, 0.4377



58.4279, 0.2487, 0.2274

Square

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



58.4279, 0.3051, 0.4377



58.4279, 0.1954, 0.2592



58.4279, 0.3090, 0.2454



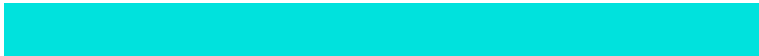
58.4279, 0.4454, 0.3779

Rectangle

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



58.4279, 0.3051, 0.4377



58.4279, 0.2176, 0.3360



58.4279, 0.3090, 0.2454



58.4279, 0.4154, 0.3110

Sweetspot

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



58.4304, 0.3051, 0.4377



93.4598, 0.3106, 0.3563



67.7770, 0.3669, 0.4229



19.8463, 0.3103, 0.3600



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.



58.4304, 0.3051, 0.4377



79.1829, 0.3035, 0.4642



59.8555, 0.2817, 0.3807



14.6162, 0.3109, 0.3520



30.0588, 0.2991, 0.5968



1.9510, 0.2964, 0.5871

Inverse Universe

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



38.0890, 0.3207, 0.2401



46.9639, 0.3225, 0.2232



36.2535, 0.3614, 0.2831



13.2636, 0.3145, 0.3070



11.6531, 0.3331, 0.1609



0.7583, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 58.4279, 0.3051, 0.4377 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 58.4279, 0.3051, 0.4377 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 58.4279, 0.3051, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 58.4279, 0.3051, 0.4377.



This preview shows how white text looks on a background with the Yxy color 58.4279, 0.3051, 0.4377.

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

58.4279, 0.3051, 0.4377

Protanopia

57.7537, 0.3774, 0.4074

Deuteranopia

57.6387, 0.3863, 0.3792



Tritanopia

58.4542, 0.2649, 0.3090

Trichromacy



Original Color

58.4279, 0.3051, 0.4377



Protanomaly

57.0946, 0.3482, 0.4186



Deuteranomaly

56.5648, 0.3533, 0.3992



Tritanomaly

58.3292, 0.2796, 0.3537

Monochromacy



Original Color

58.4279, 0.3051, 0.4377



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.6153, 0.3094, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4279, 0.3051, 0.4377 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(137, 220, 141)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 141)  
}
```

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(137, 220, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 141) }
```

Border

The CSS property to change the border of an element to Yxy 58.4279, 0.3051, 0.4377 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(137, 220, 141) }
```

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

```
.border{ border-color:rgb(137, 220, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 141);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4279, 0.3051, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 141) }
```

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

```
.background{ background-color: rgb(137,  
220, 141) }
```

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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