

Converting Colors

$Yxy(50.6910, 0.3110, 0.4425)$

Have a look what the booklet for
Yxy(50.6910, 0.3110, 0.4425)
contains.

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Color

Yxy(50.6877, 0.3108, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	85CE80
RGB	133, 206, 128
RGB Percent	52%, 81%, 50%
CMY	0.4787, 0.1921, 0.4980
CMYK	0.35, 0.00, 0.38, 0.19
HSL	116°, 44%, 65%
HSV	116°, 38%, 81%
XYZ	35.6339, 50.6877, 28.3305
YIQ	175.2810, -18.4700, -39.7340

Conversions

Conversions Part 2

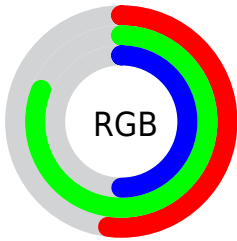
Format	Color
RYB	128, 206, 201
Decimal	8769152
CIELab	76.49, -38.13, 31.78
CIELCh	76, 49.638, 140.186
Yxy	50.6877, 0.3108, 0.4421
Android (android.graphics.Color)	4286959232 (0xFF85CE80)
YUV	175.2810, -23.3095, -37.0804
Hunter-Lab	71.1953, -35.2509, 26.2436

Details

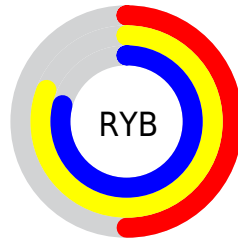
The Yxy color **50.6877, 0.3108, 0.4421** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.3271, 0.3121, 0.2348**, and the grayscale version is **43.1481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7162, 0.3130, 0.4116**, and **24.3455, 0.3066, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **48.7729, 0.3097, 0.4773**, and if you desaturate by 10%, it is **53.0055, 0.3116, 0.4082**.

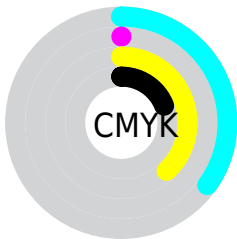
Distribution



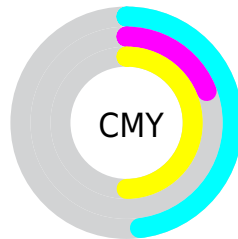
- Red (52%)
- Green (81%)
- Blue (50%)



- Red (50%)
- Yellow (81%)
- Blue (79%)



- Cyan (35%)
- Magenta (0%)
- Yellow (38%)
- Black (19%)



- Cyan (48%)
- Magenta (19%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6877, 0.3108, 0.4421 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 50.6877, 0.3108, 0.4421 by changing the saturation by 10% instead.

 50.6877, 0.3108,
0.4421

 50.6877, 0.3108,
0.4421


389.3492, 0.3137,
0.3832


 35.9601, 0.3094,
0.4574


 91.1930, 0.3124,
0.4202

 24.4034, 0.3071,
0.4774


 117.7395, 0.3128,
0.4121

 15.6331, 0.3032,
0.5043


 148.9944, 0.3131,
0.4053

 9.2649, 0.2963,
0.5424

185.3421, 0.3133,
0.3996

 4.9144, 0.2826,
0.5990

227.1671, 0.3135,
0.3946

 2.1971, 0.2680,
0.7320

274.8537, 0.3136,

 0.7184, 0.0000,

0.3903

1.0000

328.7862, 0.3137,
0.3865

■ 0.0000, 0.0000,
0.0000

■ 50.6877, 0.3108,
0.4421

■ 50.6877, 0.3108,
0.4421

■ 48.7729, 0.3097,
0.4773

■ 53.0055, 0.3116,
0.4082

■ 47.2321, 0.3082,
0.5119

■ 55.7405, 0.3122,
0.3769

■ 46.0427, 0.3065,
0.5435


■ 58.9144, 0.3126,
0.3488


■ 45.1769, 0.3047,
0.5694


■ 62.5451, 0.3127,
0.3240


■ 44.6026, 0.3029,
0.5875

■ 66.6499, 0.3128,
0.3023

 44.2795, 0.3014,
0.5975

 71.2448, 0.3127,
0.2836

 44.2351, 0.3012,
0.5990

 72.6293, 0.3150,
0.2811

Harmonies

Analogous

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



50.6877, 0.3754, 0.4506



50.6877, 0.3108, 0.4421



50.6877, 0.2501, 0.3897

Triad

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



50.6877, 0.3108, 0.4421



50.6877, 0.2063, 0.2314



50.6877, 0.4274, 0.3227

Complementary

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



50.6877, 0.3108, 0.4421



32.3271, 0.3121, 0.2348

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.



50.6877, 0.3719, 0.2765



50.6877, 0.3108, 0.4421



50.6877, 0.2436, 0.2259

Square

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



50.6877, 0.3108, 0.4421



50.6877, 0.1943, 0.2623



50.6877, 0.3028, 0.2422



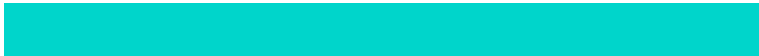
50.6877, 0.4471, 0.3737

Rectangle

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



50.6877, 0.3108, 0.4421



50.6877, 0.2198, 0.3424



50.6877, 0.3028, 0.2422



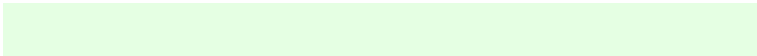
50.6877, 0.4120, 0.3064

Sweetspot

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



50.6898, 0.3108, 0.4421



93.6758, 0.3125, 0.3576



56.3691, 0.3712, 0.4168



19.8972, 0.3124, 0.3615



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.



50.6898, 0.3108, 0.4421



79.6705, 0.3100, 0.4692



51.3413, 0.2865, 0.3924



12.5702, 0.3125, 0.3529



27.2493, 0.3015, 0.5988



1.4179, 0.3067, 0.5946

Inverse Universe

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



32.3271, 0.3121, 0.2348



45.9596, 0.3117, 0.2167



31.5516, 0.3526, 0.2737



11.3663, 0.3128, 0.3061



9.7397, 0.3053, 0.1455



0.5136, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 50.6877, 0.3108, 0.4421 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 50.6877, 0.3108, 0.4421 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 50.6877, 0.3108, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 50.6877, 0.3108, 0.4421.



This preview shows how white text looks on a background with the Yxy color 50.6877, 0.3108, 0.4421.

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

50.6877, 0.3108, 0.4421

Protanopia

50.1843, 0.3803, 0.4118

Deuteranopia

50.0517, 0.3908, 0.3832



Tritanopia

50.5292, 0.2671, 0.3079

Trichromacy



Original Color

50.6877, 0.3108, 0.4421



Protanomaly

49.9504, 0.3518, 0.4234



Deuteranomaly

49.0083, 0.3585, 0.4030



Tritanomaly

50.4844, 0.2837, 0.3552

Monochromacy



Original Color

50.6877, 0.3108, 0.4421



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.0600, 0.3125, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6877, 0.3108, 0.4421 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(133, 206, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 206, 128)  
}
```

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(133, 206, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 206, 128) }
```

Border

The CSS property to change the border of an element to Yxy 50.6877, 0.3108, 0.4421 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(133, 206, 128) }
```

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

```
.border{ border-color:rgb(133, 206, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 206, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 206, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 206, 128); box-shadow:4px 4px 4px 4px rgb(133, 206, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6877, 0.3108, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 206, 128) }
```

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

```
.background{ background-color: rgb(133,  
206, 128) }
```

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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