

Converting Colors

$Yxy(50.9058, 0.3045, 0.4226)$

Have a look what the booklet for
Yxy(50.9058, 0.3045, 0.4226)
contains.

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Color

Yxy(50.7070, 0.3048, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	87CD8C
RGB	135, 205, 140
RGB Percent	53%, 80%, 55%
CMY	0.4706, 0.1961, 0.4510
CMYK	0.34, 0.00, 0.32, 0.20
HSL	124°, 41%, 67%
HSV	124°, 34%, 80%
XYZ	36.5551, 50.7070, 32.6693
YIQ	176.6600, -20.8550, -35.0550

Conversions

Conversions Part 2

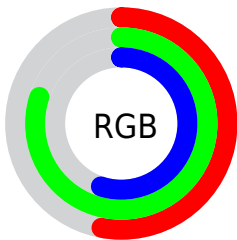
Format	Color
RYB	135, 200, 205
Decimal	8899980
CIELab	76.50, -35.10, 25.59
CIELCh	77, 43.438, 143.902
Yxy	50.7070, 0.3048, 0.4228
Android (android.graphics.Color)	4287090060 (0xFF87CD8C)
YUV	176.6600, -18.0734, -36.5358
Hunter-Lab	71.2088, -32.9824, 22.6450

Details

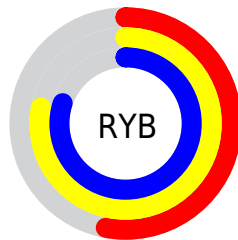
The Yxy color **50.7070, 0.3048, 0.4228** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.4758, 0.3215, 0.2504**, and the grayscale version is **43.8832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3622, 0.3071, 0.3975**, and **24.3278, 0.3009, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **48.6555, 0.3026, 0.4560**, and if you desaturate by 10%, it is **53.1873, 0.3072, 0.3917**.

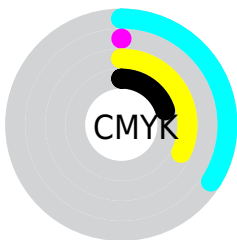
Distribution



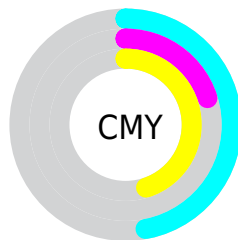
- Red (53%)
- Green (80%)
- Blue (55%)



- Red (53%)
- Yellow (78%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (20%)





- Cyan (47%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7070, 0.3048, 0.4228 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 50.7070, 0.3048, 0.4228 by changing the saturation by 10% instead.


 50.7070, 0.3048,
0.4228

 50.7070, 0.3048,
0.4228


389.4243, 0.3101,
0.3741


 35.9755, 0.3030,
0.4355


 91.2215, 0.3070,
0.4047

 24.4153, 0.3005,
0.4520


 117.7733, 0.3078,
0.3980

 15.6419, 0.2966,
0.4744


 149.0340, 0.3084,
0.3924

 9.2711, 0.2903,
0.5063

185.3879, 0.3089,
0.3877

 4.9185, 0.2786,
0.5549

227.2195, 0.3092,
0.3836

 2.1995, 0.2684,
0.6707

274.9132, 0.3096,

 0.7197, 0.0000,

0.3800

1.0000

328.8534, 0.3098,
0.3769

0.0000, 0.0000,
0.0000

50.7070, 0.3048,
0.4228

50.7070, 0.3048,
0.4228

48.6555, 0.3026,
0.4560

53.1873, 0.3072,
0.3917

47.0026, 0.3006,
0.4899

56.1119, 0.3095,
0.3635

45.7241, 0.2991,
0.5225


59.5035, 0.3118,
0.3385

44.7907, 0.2983,
0.5515


63.3814, 0.3139,
0.3166


44.1687, 0.2981,
0.5746

67.7635, 0.3159,
0.2976

 43.8173, 0.2986,
0.5902

 72.0947, 0.3156,
0.2809

 43.6991, 0.2989,
0.5959

 72.1456, 0.3150,
0.2801

Harmonies

Analogous

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



50.7070, 0.3623, 0.4364



50.7070, 0.3048, 0.4228



50.7070, 0.2523, 0.3744

Triad

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



50.7070, 0.3048, 0.4228



50.7070, 0.2210, 0.2408



50.7070, 0.4170, 0.3300

Complementary

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



50.7070, 0.3048, 0.4228



34.4758, 0.3215, 0.2504

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.



50.7070, 0.3718, 0.2873



50.7070, 0.3048, 0.4228



50.7070, 0.2574, 0.2379

Square

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



50.7070, 0.3048, 0.4228



50.7070, 0.2074, 0.2662



50.7070, 0.3118, 0.2547



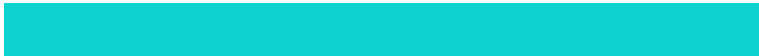
50.7070, 0.4303, 0.3757

Rectangle

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



50.7070, 0.3048, 0.4228



50.7070, 0.2268, 0.3337



50.7070, 0.3118, 0.2547



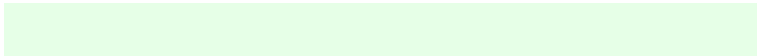
50.7070, 0.4049, 0.3151

Sweetspot

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



50.7091, 0.3048, 0.4228



94.0482, 0.3105, 0.3531



57.7407, 0.3598, 0.4146



19.9650, 0.3101, 0.3567



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.



50.7091, 0.3048, 0.4228



80.5128, 0.3031, 0.4471



51.8979, 0.2829, 0.3714



12.5498, 0.3106, 0.3512



27.2078, 0.2986, 0.5949



1.4083, 0.2939, 0.5779

Inverse Universe

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



34.4758, 0.3215, 0.2504



49.9646, 0.3236, 0.2340



33.0342, 0.3577, 0.2906



11.3894, 0.3148, 0.3078



10.4098, 0.3396, 0.1644



0.5413, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 50.7070, 0.3048, 0.4228 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 50.7070, 0.3048, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

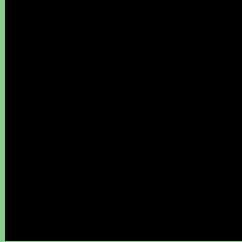
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7070, 0.3048, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 50.7070, 0.3048, 0.4228.



This preview shows how white text looks on a background with the Yxy color 50.7070, 0.3048, 0.4228.

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

50.7070, 0.3048, 0.4228

Protanopia

50.3564, 0.3699, 0.3976

Deuteranopia

49.9025, 0.3786, 0.3708



Tritanopia

50.6229, 0.2678, 0.3080

Trichromacy



Original Color

50.7070, 0.3048, 0.4228



Protanomaly

49.8261, 0.3433, 0.4064



Deuteranomaly

49.1972, 0.3490, 0.3889



Tritanomaly

50.3213, 0.2811, 0.3467

Monochromacy



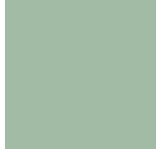
Original Color

50.7070, 0.3048, 0.4228



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

45.9024, 0.3096, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7070, 0.3048, 0.4228 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(135, 205, 140)` looks like.

```
.text, #text, p{  
    color:rgb(135, 205, 140)  
}
```

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(135, 205, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 205, 140) }
```

Border

The CSS property to change the border of an element to Yxy 50.7070, 0.3048, 0.4228 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(135, 205, 140) }
```

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

```
.border{ border-color:rgb(135, 205, 140) }
```

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

Here you see how a box with a 4 pixel rgb(135, 205, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 205, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 205, 140);  
box-shadow:4px 4px 4px 4px rgb(135, 205,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7070, 0.3048, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 205, 140) }
```

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

```
.background{ background-color: rgb(135,  
205, 140) }
```

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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