

Converting Colors

Yxy(51.0023, 0.2917, 0.4004)

Have a look what the booklet for
Yxy(51.0023, 0.2917, 0.4004)
contains.

| | |
|------------------------------------------------|----|
| Yxy(50.8088, 0.2913, 0.3996) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(50.8088, 0.2913, 0.3996)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 82CD9C |
| RGB | 130, 205, 156 |
| RGB Percent | 51%, 80%, 61% |
| CMY | 0.4901, 0.1961, 0.3883 |
| CMYK | 0.37, 0.00, 0.24, 0.20 |
| HSL | 141°, 43%, 66% |
| HSV | 141°, 37%, 80% |
| XYZ | 37.0385, 50.8088, 39.3018 |
| YIQ | 176.9890, -28.9710, -31.1390 |

Conversions

Conversions Part 2

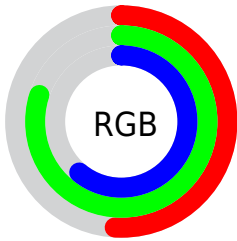
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 130, 186, 205 |
| Decimal | 8572316 |
| CIELab | 76.56, -33.77, 17.19 |
| CIELCh | 77, 37.893, 153.022 |
| Yxy | 50.8088, 0.2913, 0.3996 |
| Android (android.graphics.Color) | 4286762396 (0xFF82CD9C) |
| YUV | 176.9890, -10.3476, -41.2094 |
| Hunter-Lab | 71.2803, -31.9886, 17.2055 |

Details

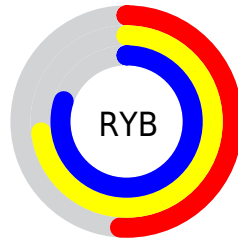
The Yxy color **50.8088, 0.2913, 0.3996** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2043, 0.3436, 0.2679**, and the grayscale version is **44.0291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5374, 0.2951, 0.3782**, and **24.4104, 0.2841, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **48.9187, 0.2867, 0.4233**, and if you desaturate by 10%, it is **53.0761, 0.2967, 0.3776**.

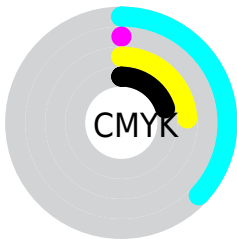
Distribution



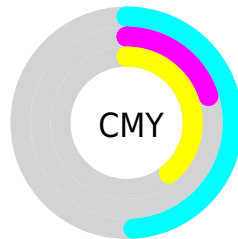
- Red (51%)
- Green (80%)
- Blue (61%)



- Red (51%)
- Yellow (73%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8088, 0.2913, 0.3996 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 50.8088, 0.2913, 0.3996 by changing the saturation by 10% instead.


 50.8088, 0.2913,
0.3996


 50.8088, 0.2913,
0.3996


389.8205, 0.3026,
0.3632

 36.0565, 0.2883,
0.4090


 91.3721, 0.2956,
0.3861

 24.4778, 0.2842,
0.4213


 117.9518, 0.2971,
0.3811

 15.6884, 0.2787,
0.4380


 149.2428, 0.2984,
0.3769

 9.3040, 0.2705,
0.4619

185.6295, 0.2995,
0.3734

 4.9400, 0.2575,
0.4987

227.4962, 0.3005,
0.3703

 2.2121, 0.2344,
0.5632

275.2273, 0.3013,

 0.7266, 0.0000,

0.3676

1.0000

329.2073, 0.3020,
0.3653

0.0000, 0.0000,
0.0000

50.8088, 0.2913,
0.3996

50.8088, 0.2913,
0.3996

48.9187, 0.2867,
0.4233

53.0761, 0.2967,
0.3776

47.3786, 0.2831,
0.4482

55.7337, 0.3026,
0.3576

46.1676, 0.2810,
0.4736


58.8013, 0.3087,
0.3397


45.2598, 0.2805,
0.4985


62.2959, 0.3148,
0.3238

44.6253, 0.2818,
0.5218


66.2331, 0.3208,
0.3098

 44.2255, 0.2847,
0.5426

 70.6281, 0.3267,
0.2975

 44.1191, 0.2858,
0.5490

 71.8126, 0.3186,
0.2850

 72.1440, 0.3150,
0.2801

Harmonies

Analogous

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



50.8088, 0.3420, 0.4220



50.8088, 0.2913, 0.3996



50.8088, 0.2486, 0.3527

Triad

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



50.8088, 0.2913, 0.3996



50.8088, 0.2396, 0.2484



50.8088, 0.4104, 0.3431

Complementary

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



50.8088, 0.2913, 0.3996



32.2043, 0.3436, 0.2679

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.



50.8088, 0.3785, 0.3034



50.8088, 0.2913, 0.3996



50.8088, 0.2776, 0.2511

Square

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



50.8088, 0.2913, 0.3996



50.8088, 0.2209, 0.2653



50.8088, 0.3284, 0.2708



50.8088, 0.4129, 0.3828

Rectangle

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



50.8088, 0.2913, 0.3996



50.8088, 0.2298, 0.3181



50.8088, 0.3284, 0.2708



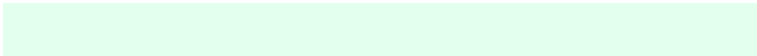
50.8088, 0.4027, 0.3295

Sweetspot

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



50.8109, 0.2913, 0.3996



93.9377, 0.3059, 0.3476



54.9802, 0.3463, 0.4260



19.9594, 0.3050, 0.3501



0.0000, 0.0000, 0.0000



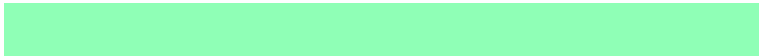
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8109, 0.2913, 0.3996



80.7054, 0.2875, 0.4184



52.2392, 0.2690, 0.3461



12.6001, 0.3069, 0.3445



27.4812, 0.2851, 0.5464



1.4320, 0.2738, 0.5056

Inverse Universe

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



32.2043, 0.3436, 0.2679



45.8098, 0.3528, 0.2548



30.9169, 0.3856, 0.3131



11.3352, 0.3190, 0.3140



9.1699, 0.4314, 0.2150



0.4870, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 50.8088, 0.2913, 0.3996 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 50.8088, 0.2913, 0.3996 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 50.8088, 0.2913, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 50.8088, 0.2913, 0.3996.

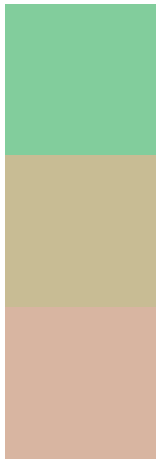


This preview shows how white text looks on a background with the Yxy color 50.8088, 0.2913, 0.3996.

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

50.8088, 0.2913, 0.3996

Protanopia

50.3839, 0.3551, 0.3794

Deuteranopia

50.2199, 0.3606, 0.3532



Tritanopia

50.4874, 0.2629, 0.3078

Trichromacy



Original Color

50.8088, 0.2913, 0.3996

Protanomaly

49.9319, 0.3295, 0.3866

Deuteranomaly

49.6444, 0.3326, 0.3695

Tritanomaly

50.5176, 0.2735, 0.3399

Monochromacy



Original Color

50.8088, 0.2913, 0.3996

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.8788, 0.3042, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8088, 0.2913, 0.3996 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(130, 205, 156)` looks like.

```
.text, #text, p{  
    color:rgb(130, 205, 156)  
}
```

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(130, 205, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 205, 156) }
```

Border

The CSS property to change the border of an element to Yxy 50.8088, 0.2913, 0.3996 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(130, 205, 156) }
```

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

```
.border{ border-color:rgb(130, 205, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 205, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 205, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 205, 156);  
box-shadow:4px 4px 4px 4px rgb(130, 205,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8088, 0.2913, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 205, 156) }
```

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

```
.background{ background-color: rgb(130,  
205, 156) }
```

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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