

Converting Colors

Yxy(51.3813, 0.2960, 0.3986)

Have a look what the booklet for
Yxy(51.3813, 0.2960, 0.3986)
contains.

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Color

Yxy(51.3813, 0.2960, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	89CD9C
RGB	137, 205, 156
RGB Percent	54%, 80%, 61%
CMY	0.4626, 0.1961, 0.3882
CMYK	0.33, 0.00, 0.24, 0.20
HSL	137°, 40%, 67%
HSV	137°, 33%, 80%
XYZ	38.1557, 51.3813, 39.3674
YIQ	179.0820, -24.7990, -29.6550

Conversions

Conversions Part 2

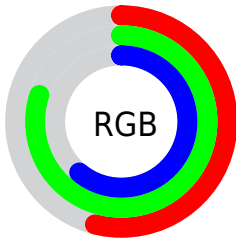
Format	Color
RYB	137, 190, 205
Decimal	9031068
CIELab	76.91, -31.63, 17.71
CIELCh	77, 36.247, 150.755
Yxy	51.3813, 0.2960, 0.3986
Android (android.graphics.Color)	4287221148 (0xFF89CD9C)
YUV	179.0820, -11.3794, -36.9059
Hunter-Lab	71.6808, -30.4257, 17.6142

Details

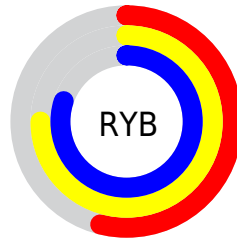
The Yxy color **51.3813, 0.2960, 0.3986** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.4298, 0.3352, 0.2684**, and the grayscale version is **45.2041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4296, 0.2991, 0.3776**, and **24.7174, 0.2897, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **49.3411, 0.2918, 0.4242**, and if you desaturate by 10%, it is **53.8158, 0.3008, 0.3750**.

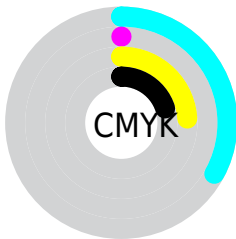
Distribution



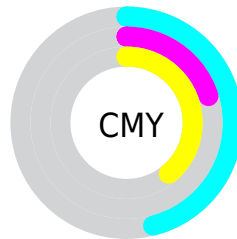
- Red (54%)
- Green (80%)
- Blue (61%)



- Red (54%)
- Yellow (75%)
- Blue (80%)



- Cyan (33%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)





- Cyan (46%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3813, 0.2960, 0.3986 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 51.3813, 0.2960, 0.3986 by changing the saturation by 10% instead.

 51.3813, 0.2960,
0.3986


 51.3813, 0.2960,
0.3986


392.0434, 0.3050,
0.3628


 36.5122, 0.2936,
0.4078

 92.2181, 0.2994,
0.3854

 24.8300, 0.2903,
0.4198


 118.9546, 0.3007,
0.3805

 15.9504, 0.2857,
0.4361


 150.4157, 0.3017,
0.3764

 9.4891, 0.2790,
0.4593

186.9857, 0.3026,
0.3729

 5.0616, 0.2680,
0.4949

229.0491, 0.3033,
0.3698

 2.2834, 0.2482,
0.5567

276.9903, 0.3039,

 0.7649, 0.0000,

0.3672

1.0000

331.1936, 0.3045,
0.3649

0.0000, 0.0000,
0.0000

51.3813, 0.2960,
0.3986

51.3813, 0.2960,
0.3986

49.3411, 0.2918,
0.4242

53.8158, 0.3008,
0.3750

47.6679, 0.2884,
0.4513

56.6576, 0.3059,
0.3536

46.3411, 0.2861,
0.4790


59.9266, 0.3111,
0.3345

45.3351, 0.2853,
0.5060


63.6399, 0.3162,
0.3177


44.6208, 0.2861,
0.5311

67.8134, 0.3212,
0.3030

 44.1634, 0.2884,
0.5529

 71.4926, 0.3222,
0.2898

 43.9577, 0.2904,
0.5655

 72.1399, 0.3150,
0.2801

Harmonies

Analogous

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



51.3813, 0.3445, 0.4178



51.3813, 0.2960, 0.3986



51.3813, 0.2541, 0.3554

Triad

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



51.3813, 0.2960, 0.3986



51.3813, 0.2408, 0.2524



51.3813, 0.4044, 0.3398

Complementary

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



51.3813, 0.2960, 0.3986



34.4298, 0.3352, 0.2684

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.



51.3813, 0.3722, 0.3020



51.3813, 0.2960, 0.3986



51.3813, 0.2760, 0.2535

Square

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



51.3813, 0.2960, 0.3986



51.3813, 0.2243, 0.2703



51.3813, 0.3240, 0.2714



51.3813, 0.4091, 0.3781

Rectangle

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



51.3813, 0.2960, 0.3986



51.3813, 0.2351, 0.3224



51.3813, 0.3240, 0.2714



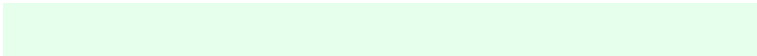
51.3813, 0.3963, 0.3268

Sweetspot

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



51.3834, 0.2960, 0.3986



94.3526, 0.3075, 0.3476



56.0166, 0.3471, 0.4154



20.0381, 0.3067, 0.3504



0.0000, 0.0000, 0.0000



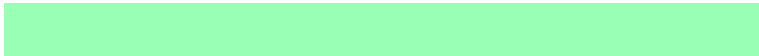
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3834, 0.2960, 0.3986



81.6482, 0.2928, 0.4173



52.6627, 0.2753, 0.3506



12.5876, 0.3078, 0.3461



27.3811, 0.2897, 0.5631



1.4257, 0.2785, 0.5227

Inverse Universe

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



34.4298, 0.3352, 0.2684



49.5620, 0.3417, 0.2550



33.1804, 0.3711, 0.3088



11.3482, 0.3180, 0.3124



9.4232, 0.4060, 0.2010



0.4986, 0.3857, 0.1899

Previews

White Background



This preview shows how the Yxy color 51.3813, 0.2960, 0.3986 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 51.3813, 0.2960, 0.3986 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 51.3813, 0.2960, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 51.3813, 0.2960, 0.3986.

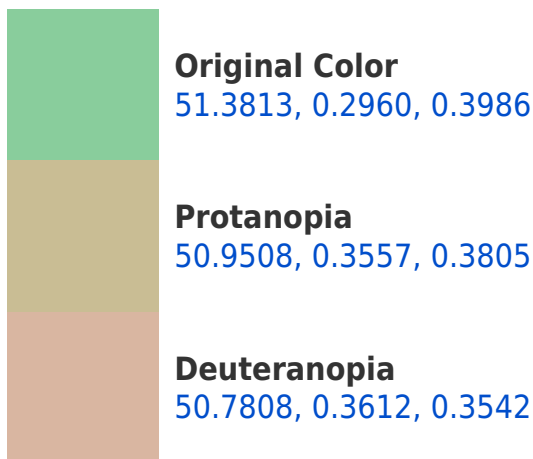


This preview shows how white text looks on a background with the Yxy color 51.3813, 0.2960, 0.3986.

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





Tritanopia

51.1262, 0.2673, 0.3080

Trichromacy



Original Color

51.3813, 0.2960, 0.3986



Protanomaly

50.7296, 0.3318, 0.3873



Deuteranomaly

50.0215, 0.3351, 0.3692



Tritanomaly

51.1341, 0.2780, 0.3397

Monochromacy



Original Color

51.3813, 0.2960, 0.3986



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

46.7992, 0.3059, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3813, 0.2960, 0.3986 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, 205, 156)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 205, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 205, 156) }
```

Border

The CSS property to change the border of an element to Yxy 51.3813, 0.2960, 0.3986 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, 205, 156) }
```

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

```
.border{ border-color:rgb(137, 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(137, 205, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 205, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 205, 156);  
box-shadow:4px 4px 4px 4px rgb(137, 205,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3813, 0.2960, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 205, 156) }
```

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

```
.background{ background-color: rgb(137,  
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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