

Converting Colors

$Yxy(46.2677, 0.2962, 0.3805)$

Have a look what the booklet for
Yxy(46.2677, 0.2962, 0.3805)
contains.

| | |
|---|----|
| Yxy(46.0975, 0.2958, 0.3799) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(46.0975, 0.2958, 0.3799)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8BC19E |
| RGB | 139, 193, 158 |
| RGB Percent | 55%, 76%, 62% |
| CMY | 0.4548, 0.2431, 0.3804 |
| CMYK | 0.28, 0.00, 0.18, 0.24 |
| HSL | 141°, 30%, 65% |
| HSV | 141°, 28%, 76% |
| XYZ | 35.8927, 46.0975, 39.3509 |
| YIQ | 172.8640, -20.9490, -22.3330 |

Conversions

Conversions Part 2

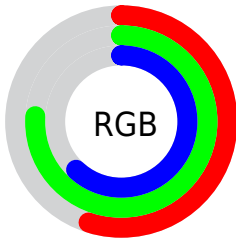
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 139, 179, 193 |
| Decimal | 9159070 |
| CIELab | 73.61, -24.84, 12.04 |
| CIElCh | 74, 27.604, 154.147 |
| Yxy | 46.0975, 0.2958, 0.3799 |
| Android (android.graphics.Color) | 4287349150 (0xFF8BC19E) |
| YUV | 172.8640, -7.3280, -29.6987 |
| Hunter-Lab | 67.8951, -24.4526, 13.1631 |

Details

The Yxy color $46.0975, 0.2958, 0.3799$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $32.8700, 0.3348, 0.2831$, and the grayscale version is $41.7664, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.6446, 0.2992, 0.3700$, and $21.5530, 0.2897, 0.3947$ is the 20% darker color. If you saturate the color by 10%, you get $44.1722, 0.2904, 0.4018$, and if you desaturate by 10%, it is $48.3638, 0.3017, 0.3599$.

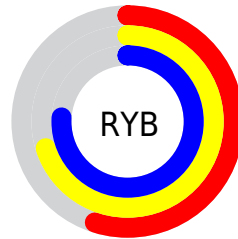
Distribution



Red (55%)

Green (76%)

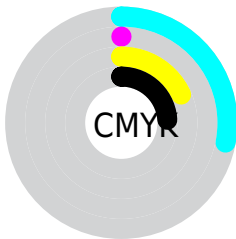
Blue (62%)



Red (55%)

Yellow (70%)

Blue (76%)

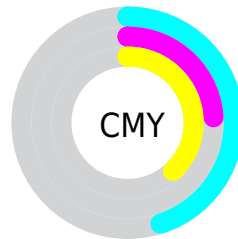


Cyan (28%)

Magenta (0%)

Yellow (18%)

Black (24%)



Cyan (45%)


Magenta (24%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0975, 0.2958, 0.3799 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 46.0975, 0.2958, 0.3799 by changing the saturation by 10% instead.


 46.0975, 0.2958,
0.3799


 46.0975, 0.2958,
0.3799


371.2005, 0.3047,
0.3535

 32.3228, 0.2934,
0.3868


 84.3649, 0.2991,
0.3701

 21.6082, 0.2903,
0.3958


 109.6263, 0.3004,
0.3665

 13.5693, 0.2860,
0.4082


 139.4855, 0.3014,
0.3634

 7.8217, 0.2796,
0.4261

174.3267, 0.3023,
0.3609

 3.9811, 0.2694,
0.4542

214.5345, 0.3030,
0.3587

 1.6630, 0.2511,
0.5059

260.4931, 0.3036,

 0.3995, 0.0000,

0.3567

1.0000

312.5869, 0.3042,
0.3550

0.0000, 0.0000,
0.0000

46.0975, 0.2958,
0.3799

46.0975, 0.2958,
0.3799

44.1722, 0.2904,
0.4018

48.3638, 0.3017,
0.3599

42.5655, 0.2859,
0.4254

50.9810, 0.3078,
0.3419

41.2611, 0.2825,
0.4501

53.9655, 0.3140,
0.3259


40.2388, 0.2805,
0.4753


57.3311, 0.3201,
0.3118


39.4762, 0.2802,
0.4998


61.0907, 0.3260,
0.2995


 38.9467, 0.2817,
0.5228

 65.2568, 0.3317,
0.2887

 38.6112, 0.2847,
0.5431

 66.0298, 0.3224,
0.2769

 38.5540, 0.2853,
0.5470

 66.6190, 0.3156,
0.2683

Harmonies

Analogous

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



46.0975, 0.3343, 0.3977



46.0975, 0.2958, 0.3799



46.0975, 0.2632, 0.3457

Triad

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



46.0975, 0.2958, 0.3799



46.0975, 0.2577, 0.2669



46.0975, 0.3864, 0.3422

Complementary

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



46.0975, 0.2958, 0.3799



32.8700, 0.3348, 0.2831

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.



46.0975, 0.3634, 0.3110



46.0975, 0.2958, 0.3799



46.0975, 0.2878, 0.2691

Square

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



46.0975, 0.2958, 0.3799



46.0975, 0.2423, 0.2803



46.0975, 0.3265, 0.2849



46.0975, 0.3880, 0.3723

Rectangle

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



46.0975, 0.2958, 0.3799



46.0975, 0.2487, 0.3203



46.0975, 0.3265, 0.2849



46.0975, 0.3809, 0.3316

Sweetspot

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



46.0994, 0.2958, 0.3799



91.2273, 0.3077, 0.3422



49.0155, 0.3379, 0.4019



19.4100, 0.3067, 0.3448



97.7402, 0.3127, 0.3290



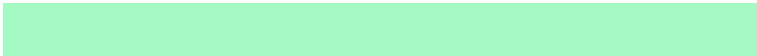
20.4902, 0.3127, 0.3290

Same Dimension

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



46.0994, 0.2958, 0.3799



80.2319, 0.2922, 0.3941



47.1297, 0.2777, 0.3403



11.3160, 0.3069, 0.3443



25.6575, 0.2846, 0.5446



1.1217, 0.2715, 0.4975

Inverse Universe

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



32.8700, 0.3348, 0.2831



52.3617, 0.3416, 0.2720



31.9232, 0.3639, 0.3182



10.1855, 0.3190, 0.3142



8.5444, 0.4330, 0.2159



0.3818, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 46.0975, 0.2958, 0.3799 looks on a white background.

Color Contrast Check

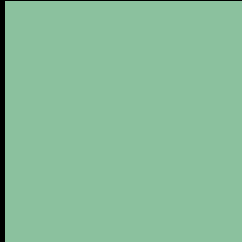
Large Text (above 18pt) WCAG AA × Fail

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 46.0975, 0.2958, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

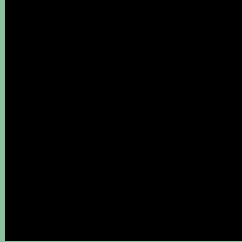
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0975, 0.2958, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 46.0975, 0.2958, 0.3799.



This preview shows how white text looks on a background with the Yxy color 46.0975, 0.2958, 0.3799.

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

46.0975, 0.2958, 0.3799

Protanopia

45.8240, 0.3456, 0.3671

Deuteranopia

45.7181, 0.3505, 0.3442



Tritanopia

46.1008, 0.2721, 0.3086

Trichromacy



Original Color

46.0975, 0.2958, 0.3799

Protanomaly

45.6889, 0.3251, 0.3716

Deuteranomaly

45.3243, 0.3280, 0.3559

Tritanomaly

45.9601, 0.2807, 0.3331

Monochromacy



Original Color

46.0975, 0.2958, 0.3799

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0467, 0.3060, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0975, 0.2958, 0.3799 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(139, 193, 158)` looks like.

```
.text, #text, p{  
    color:rgb(139, 193, 158)  
}
```

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(139, 193, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 193, 158) }
```

Border

The CSS property to change the border of an element to Yxy 46.0975, 0.2958, 0.3799 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(139, 193, 158) }
```

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

```
.border{ border-color:rgb(139, 193, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 193, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 193, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 193, 158); box-shadow:4px 4px 4px 4px rgb(139, 193, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0975, 0.2958, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 193, 158) }
```

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

```
.background{ background-color: rgb(139,  
193, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor