

Converting Colors

$Yxy(46.4106, 0.2796, 0.3893)$

Have a look what the booklet for
Yxy(46.4106, 0.2796, 0.3893)
contains.

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Color

Yxy(46.5016, 0.2798, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	73C69E
RGB	115, 198, 158
RGB Percent	45%, 78%, 62%
CMY	0.5489, 0.2235, 0.3803
CMYK	0.42, 0.00, 0.20, 0.22
HSL	151°, 42%, 61%
HSV	151°, 42%, 78%
XYZ	33.4391, 46.5016, 39.5700
YIQ	168.6230, -36.6280, -30.0360

Conversions

Conversions Part 2

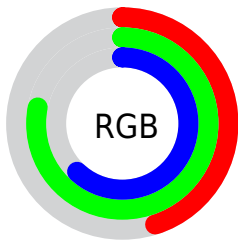
Format	Color
RYB	115, 170, 198
Decimal	7587486
CIELab	73.87, -34.40, 12.22
CIElCh	74, 36.504, 160.436
Yxy	46.5016, 0.2798, 0.3891
Android (android.graphics.Color)	4285777566 (0xFF73C69E)
YUV	168.6230, -5.2371, -47.0274
Hunter-Lab	68.1921, -31.8058, 13.3301

Details

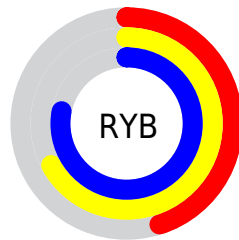
The Yxy color **46.5016, 0.2798, 0.3891** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.6385, 0.3671, 0.2767**, and the grayscale version is **39.5239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8701, 0.2858, 0.3769**, and **21.9687, 0.2691, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **44.9860, 0.2741, 0.4067**, and if you desaturate by 10%, it is **48.3347, 0.2866, 0.3726**.

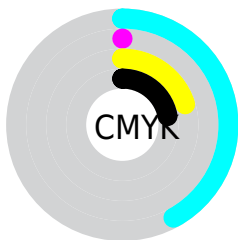
Distribution



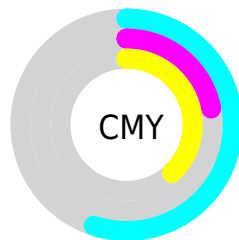
- Red (45%)
- Green (78%)
- Blue (62%)



- Red (45%)
- Yellow (67%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (55%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5016, 0.2798, 0.3891 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 46.5016, 0.2798, 0.3891 by changing the saturation by 10% instead.

 46.5016, 0.2798,
0.3891

 46.5016, 0.2798,
0.3891


372.8216, 0.2968,
0.3578


 32.6418, 0.2754,
0.3973


 84.9692, 0.2861,
0.3774

 21.8522, 0.2696,
0.4081


 110.3458, 0.2885,
0.3732

 13.7483, 0.2617,
0.4229


 140.3301, 0.2904,
0.3696

 7.9458, 0.2503,
0.4443

175.3066, 0.2921,
0.3665

 4.0603, 0.2325,
0.4781

215.6596, 0.2935,
0.3639

 1.7074, 0.1971,
0.5430

261.7735, 0.2948,

 0.4284, 0.0000,

0.3616

1.0000

314.0327, 0.2959,
0.3596

0.0000, 0.0000,
0.0000

46.5016, 0.2798,
0.3891

46.5016, 0.2798,
0.3891

44.9860, 0.2741,
0.4067

48.3347, 0.2866,
0.3726

43.7632, 0.2699,
0.4252

50.4973, 0.2943,
0.3574

42.8135, 0.2675,
0.4440


53.0074, 0.3026,
0.3436


42.1125, 0.2670,
0.4629

55.8801, 0.3111,
0.3312

41.6311, 0.2686,
0.4811


59.1297, 0.3197,
0.3202

 41.3592, 0.2709,
0.4953

 62.7695, 0.3282,
0.3104

 66.8124, 0.3365,
0.3018

 67.6077, 0.3304,
0.2926

 68.1720, 0.3233,
0.2835

Harmonies

Analogous

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



46.5016, 0.3293, 0.4187



46.5016, 0.2798, 0.3891



46.5016, 0.2411, 0.3396

Triad

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



46.5016, 0.2798, 0.3891



46.5016, 0.2479, 0.2479



46.5016, 0.4131, 0.3531

Complementary

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



46.5016, 0.2798, 0.3891



26.6385, 0.3671, 0.2767

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.



46.5016, 0.3881, 0.3130



46.5016, 0.2798, 0.3891



46.5016, 0.2896, 0.2550

Square

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



46.5016, 0.2798, 0.3891



46.5016, 0.2242, 0.2597



46.5016, 0.3413, 0.2782



46.5016, 0.4082, 0.3912

Rectangle

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



46.5016, 0.2798, 0.3891



46.5016, 0.2258, 0.3064



46.5016, 0.3413, 0.2782



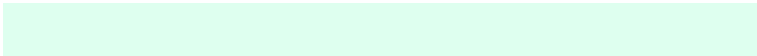
46.5016, 0.4080, 0.3395

Sweetspot

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



46.5035, 0.2798, 0.3891



93.2596, 0.3015, 0.3453



48.6073, 0.3376, 0.4455



19.7404, 0.2996, 0.3483



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.



46.5035, 0.2798, 0.3891



79.9464, 0.2747, 0.4046



47.4820, 0.2557, 0.3269



11.9781, 0.3047, 0.3404



26.9146, 0.2703, 0.4930



1.2890, 0.2599, 0.4558

Inverse Universe

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



26.6385, 0.3671, 0.2767



40.2392, 0.3843, 0.2663



25.8281, 0.4190, 0.3312



10.7206, 0.3216, 0.3179



8.3668, 0.5016, 0.2537



0.4108, 0.4542, 0.2275

Previews

White Background



This preview shows how the Yxy color 46.5016, 0.2798, 0.3891 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 46.5016, 0.2798, 0.3891 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 46.5016, 0.2798, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 46.5016, 0.2798, 0.3891.



This preview shows how white text looks on a background with the Yxy color 46.5016, 0.2798, 0.3891.

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

46.5016, 0.2798, 0.3891

Protanopia

45.8888, 0.3483, 0.3697

Deuteranopia

45.7538, 0.3496, 0.3429



Tritanopia

46.2786, 0.2562, 0.3068

Trichromacy



Original Color

46.5016, 0.2798, 0.3891



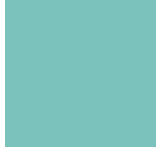
Protanomaly

45.5942, 0.3196, 0.3780



Deuteranomaly

45.2108, 0.3207, 0.3591



Tritanomaly

46.4686, 0.2650, 0.3360

Monochromacy



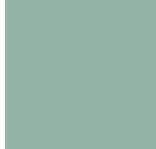
Original Color

46.5016, 0.2798, 0.3891



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.7487, 0.2983, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5016, 0.2798, 0.3891 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(115, 198, 158)` looks like.

```
.text, #text, p{  
    color:rgb(115, 198, 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(115, 198, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 198, 158) }
```

Border

The CSS property to change the border of an element to Yxy 46.5016, 0.2798, 0.3891 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(115, 198, 158) }
```

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

```
.border{ border-color:rgb(115, 198, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 198, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 198, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 198, 158);  
box-shadow:4px 4px 4px 4px rgb(115, 198,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5016, 0.2798, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 198, 158) }
```

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

```
.background{ background-color: rgb(115,  
198, 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](#).

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