

Converting Colors

$Yxy(46.7331, 0.2925, 0.3988)$

Have a look what the booklet for
Yxy(46.7331, 0.2925, 0.3988)
contains.

Yxy(46.6465, 0.2927, 0.3989)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6465, 0.2927, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	7FC596
RGB	127, 197, 150
RGB Percent	50%, 77%, 59%
CMY	0.5019, 0.2275, 0.4117
CMYK	0.36, 0.00, 0.24, 0.23
HSL	140°, 38%, 64%
HSV	140°, 36%, 77%
XYZ	34.2277, 46.6465, 36.0636
YIQ	170.7120, -26.6330, -29.4570

Conversions

Conversions Part 2

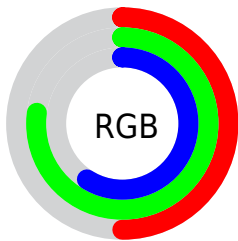
Format	Color
RYB	127, 180, 197
Decimal	8373654
CIELab	73.96, -32.05, 16.73
CIELCh	74, 36.150, 152.431
Yxy	46.6465, 0.2927, 0.3989
Android (android.graphics.Color)	4286563734 (0xFF7FC596)
YUV	170.7120, -10.2110, -38.3354
Hunter-Lab	68.2982, -30.0666, 16.5018

Details

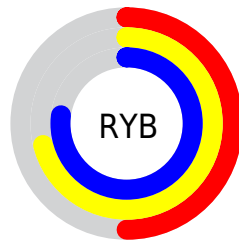
The Yxy color **46.6465, 0.2927, 0.3989** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.1111, 0.3410, 0.2684**, and the grayscale version is **40.6391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1883, 0.2971, 0.3856**, and **22.0016, 0.2856, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **44.8781, 0.2881, 0.4230**, and if you desaturate by 10%, it is **48.7626, 0.2980, 0.3766**.

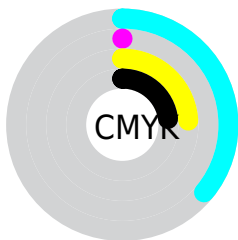
Distribution



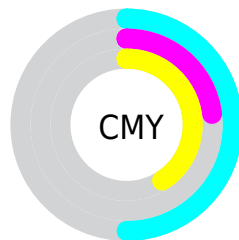
- Red (50%)
- Green (77%)
- Blue (59%)



- Red (50%)
- Yellow (71%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (24%)
- Black (23%)




- Cyan (50%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6465, 0.2927, 0.3989 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 46.6465, 0.2927, 0.3989 by changing the saturation by 10% instead.


 46.6465, 0.2927,
0.3989


 46.6465, 0.2927,
0.3989


373.4017, 0.3035,
0.3624


 32.7563, 0.2897,
0.4085


 85.1857, 0.2968,
0.3853

 21.9398, 0.2858,
0.4212


 110.6035, 0.2983,
0.3802

 13.8127, 0.2802,
0.4386


 140.6326, 0.2995,
0.3761

 7.9905, 0.2719,
0.4639

175.6574, 0.3006,
0.3725

 4.0889, 0.2582,
0.5037

216.0624, 0.3015,
0.3694

 1.7234, 0.2350,
0.5894

262.2318, 0.3022,

 0.4387, 0.0000,

0.3668

1.0000

314.5501, 0.3029,
0.3644

0.0000, 0.0000,
0.0000

46.6465, 0.2927,
0.3989

46.6465, 0.2927,
0.3989

44.8781, 0.2881,
0.4230

48.7626, 0.2980,
0.3766

43.4327, 0.2846,
0.4484

51.2380, 0.3036,
0.3563

42.2914, 0.2824,
0.4743


54.0909, 0.3095,
0.3381


41.4310, 0.2818,
0.4998


57.3365, 0.3153,
0.3220

40.8246, 0.2829,
0.5236


60.9891, 0.3211,
0.3079

 40.4395, 0.2856,
0.5447

 65.0624, 0.3266,
0.2956

 40.3105, 0.2870,
0.5532

 67.6384, 0.3243,
0.2837

 68.4117, 0.3154,
0.2722

Harmonies

Analogous

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



46.6465, 0.3425, 0.4203



46.6465, 0.2927, 0.3989



46.6465, 0.2505, 0.3533

Triad

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



46.6465, 0.2927, 0.3989



46.6465, 0.2403, 0.2499



46.6465, 0.4082, 0.3422

Complementary

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



46.6465, 0.2927, 0.3989



30.1111, 0.3410, 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.



46.6465, 0.3764, 0.3032



46.6465, 0.2927, 0.3989



46.6465, 0.2774, 0.2521

Square

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



46.6465, 0.2927, 0.3989



46.6465, 0.2223, 0.2670



46.6465, 0.3272, 0.2712



46.6465, 0.4114, 0.3813

Rectangle

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



46.6465, 0.2927, 0.3989



46.6465, 0.2316, 0.3194



46.6465, 0.3272, 0.2712



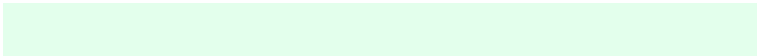
46.6465, 0.4005, 0.3288

Sweetspot

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



46.6484, 0.2927, 0.3989



93.9088, 0.3062, 0.3481



50.5601, 0.3463, 0.4225



19.9525, 0.3054, 0.3507



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.



46.6484, 0.2927, 0.3989



80.9239, 0.2889, 0.4184



47.9134, 0.2709, 0.3471



11.9444, 0.3072, 0.3449



26.5285, 0.2863, 0.5509



1.2696, 0.2742, 0.5069

Inverse Universe

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



30.1111, 0.3410, 0.2684



46.7302, 0.3498, 0.2546



28.9443, 0.3810, 0.3120



10.7550, 0.3187, 0.3136



8.9238, 0.4244, 0.2112



0.4355, 0.3977, 0.1964

Previews

White Background



This preview shows how the Yxy color 46.6465, 0.2927, 0.3989 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 46.6465, 0.2927, 0.3989 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 46.6465, 0.2927, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 46.6465, 0.2927, 0.3989.



This preview shows how white text looks on a background with the Yxy color 46.6465, 0.2927, 0.3989.

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

46.6465, 0.2927, 0.3989

Protanopia

46.3382, 0.3558, 0.3799

Deuteranopia

46.0486, 0.3606, 0.3528



Tritanopia

46.7237, 0.2646, 0.3085

Trichromacy



Original Color

46.6465, 0.2927, 0.3989

Protanomaly

46.0200, 0.3301, 0.3872

Deuteranomaly

45.3395, 0.3335, 0.3682

Tritanomaly

46.7936, 0.2749, 0.3402

Monochromacy



Original Color

46.6465, 0.2927, 0.3989

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2554, 0.3048, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6465, 0.2927, 0.3989 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(127, 197, 150)` looks like.

```
.text, #text, p{  
    color:rgb(127, 197, 150)  
}
```

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(127, 197, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 197, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.6465, 0.2927, 0.3989 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(127, 197, 150) }
```

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

```
.border{ border-color:rgb(127, 197, 150) }
```

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

Here you see how a box with a 4 pixel rgb(127, 197, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 197, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 197, 150);  
box-shadow:4px 4px 4px 4px rgb(127, 197,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6465, 0.2927, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 197, 150) }
```

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

```
.background{ background-color: rgb(127,  
197, 150) }
```

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