

Converting Colors

$Yxy(46.8977, 0.2914, 0.4008)$

Have a look what the booklet for
Yxy(46.8977, 0.2914, 0.4008)
contains.

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Color

Yxy(46.9501, 0.2914, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	7DC696
RGB	125, 198, 150
RGB Percent	49%, 78%, 59%
CMY	0.5097, 0.2235, 0.4117
CMYK	0.37, 0.00, 0.24, 0.22
HSL	141°, 39%, 63%
HSV	141°, 37%, 78%
XYZ	34.1604, 46.9501, 36.1182
YIQ	170.7010, -28.1000, -30.4040

Conversions

Conversions Part 2

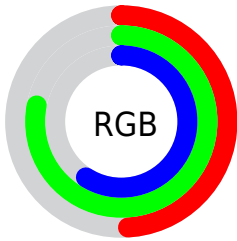
Format	Color
RYB	125, 179, 198
Decimal	8242838
CIELab	74.16, -33.12, 17.00
CIELCh	74, 37.225, 152.832
Yxy	46.9501, 0.2914, 0.4005
Android (android.graphics.Color)	4286432918 (0xFF7DC696)
YUV	170.7010, -10.2056, -40.0798
Hunter-Lab	68.5201, -30.9198, 16.7113

Details

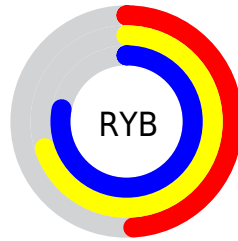
The Yxy color **46.9501, 0.2914, 0.4005** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.6996, 0.3435, 0.2672**, and the grayscale version is **40.6342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5829, 0.2959, 0.3868**, and **22.2251, 0.2841, 0.4239** is the 20% darker color. If you saturate the color by 10%, you get **45.2104, 0.2868, 0.4243**, and if you desaturate by 10%, it is **49.0374, 0.2967, 0.3784**.

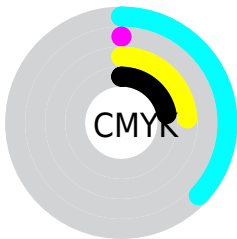
Distribution



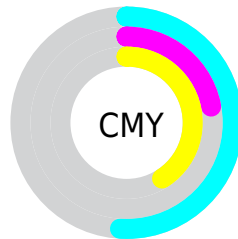
- Red (49%)
- Green (78%)
- Blue (59%)



- Red (49%)
- Yellow (70%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)





- Cyan (51%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9501, 0.2914, 0.4005 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 46.9501, 0.2914, 0.4005 by changing the saturation by 10% instead.


 46.9501, 0.2914,
0.4005


 46.9501, 0.2914,
0.4005

374.6153, 0.3029,
0.3632

 32.9962, 0.2883,
0.4103


 85.6391, 0.2958,
0.3865

 22.1235, 0.2841,
0.4233

 111.1431, 0.2973,
0.3814

 13.9477, 0.2782,
0.4411

 141.2658, 0.2986,
0.3771

 8.0843, 0.2695,
0.4669

176.3917, 0.2998,
0.3735

 4.1489, 0.2551,
0.5075

216.9053, 0.3007,
0.3704

 1.7572, 0.2304,
0.5943

263.1908, 0.3015,

 0.4603, 0.0000,

0.3676

1.0000

315.6326, 0.3022,
0.3653

0.0000, 0.0000,
0.0000

46.9501, 0.2914,
0.4005

46.9501, 0.2914,
0.4005

45.2104, 0.2868,
0.4243

49.0374, 0.2967,
0.3784

43.7932, 0.2833,
0.4493

51.4841, 0.3025,
0.3583

42.6792, 0.2813,
0.4748


54.3087, 0.3086,
0.3402


41.8445, 0.2808,
0.4998


57.5267, 0.3146,
0.3242

41.2615, 0.2821,
0.5231


61.1525, 0.3206,
0.3101

 40.8936, 0.2851,
0.5438

 65.2001, 0.3264,
0.2977

 40.8017, 0.2860,
0.5497

 68.0082, 0.3253,
0.2861

 68.8153, 0.3159,
0.2739

 68.8672, 0.3153,
0.2732

Harmonies

Analogous

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



46.9501, 0.3425, 0.4229



46.9501, 0.2914, 0.4005



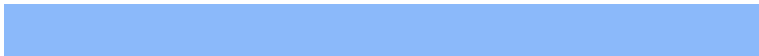
46.9501, 0.2483, 0.3532

Triad

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



46.9501, 0.2914, 0.4005



46.9501, 0.2389, 0.2478



46.9501, 0.4111, 0.3429

Complementary

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



46.9501, 0.2914, 0.4005



29.6996, 0.3435, 0.2672

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.



46.9501, 0.3788, 0.3030



46.9501, 0.2914, 0.4005



46.9501, 0.2770, 0.2504

Square

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



46.9501, 0.2914, 0.4005



46.9501, 0.2202, 0.2649



46.9501, 0.3282, 0.2702



46.9501, 0.4139, 0.3829

Rectangle

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



46.9501, 0.2914, 0.4005



46.9501, 0.2293, 0.3183



46.9501, 0.3282, 0.2702



46.9501, 0.4033, 0.3292

Sweetspot

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



46.9520, 0.2914, 0.4005



93.9309, 0.3059, 0.3477



50.8304, 0.3464, 0.4266



19.9578, 0.3051, 0.3502



0.0000, 0.0000, 0.0000



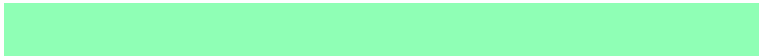
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9520, 0.2914, 0.4005



80.6863, 0.2877, 0.4190



48.2881, 0.2688, 0.3462



11.9468, 0.3070, 0.3446



26.5496, 0.2854, 0.5473



1.2708, 0.2732, 0.5034

Inverse Universe

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



29.6996, 0.3435, 0.2672



45.8338, 0.3524, 0.2543



28.4932, 0.3862, 0.3130



10.7525, 0.3189, 0.3139



8.8764, 0.4296, 0.2140



0.4335, 0.4014, 0.1985

Previews

White Background



This preview shows how the Yxy color 46.9501, 0.2914, 0.4005 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 46.9501, 0.2914, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

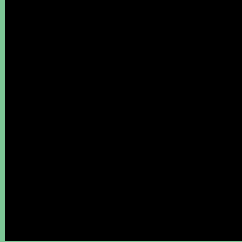
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9501, 0.2914, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 46.9501, 0.2914, 0.4005.

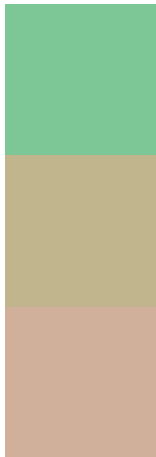


This preview shows how white text looks on a background with the Yxy color 46.9501, 0.2914, 0.4005.

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

46.9501, 0.2914, 0.4005

Protanopia

46.3382, 0.3558, 0.3799

Deuteranopia

46.4364, 0.3603, 0.3540



Tritanopia

47.0362, 0.2629, 0.3085

Trichromacy



Original Color

46.9501, 0.2914, 0.4005



Protanomaly

45.9098, 0.3293, 0.3873



Deuteranomaly

45.6319, 0.3325, 0.3696



Tritanomaly

47.1153, 0.2731, 0.3402

Monochromacy



Original Color

46.9501, 0.2914, 0.4005



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.5621, 0.3039, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9501, 0.2914, 0.4005 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(125, 198, 150)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 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(125, 198, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.9501, 0.2914, 0.4005 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(125, 198, 150) }
```

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

```
.border{ border-color:rgb(125, 198, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 198, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 150);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9501, 0.2914, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 150) }
```

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

```
.background{ background-color: rgb(125,  
198, 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](#).

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