

Converting Colors

$Yxy(46.9914, 0.2923, 0.3636)$

Have a look what the booklet for
Yxy(46.9914, 0.2923, 0.3636)
contains.

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Color

Yxy(46.9338, 0.2919, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	90C1A9
RGB	144, 193, 169
RGB Percent	56%, 76%, 66%
CMY	0.4353, 0.2431, 0.3373
CMYK	0.25, 0.00, 0.12, 0.24
HSL	151°, 28%, 66%
HSV	151°, 25%, 76%
XYZ	37.7306, 46.9338, 44.5942
YIQ	175.6130, -21.5000, -17.8520

Conversions

Conversions Part 2

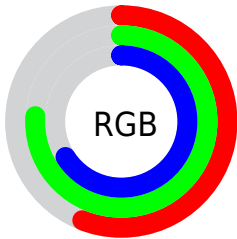
Format	Color
RYB	144, 176, 193
Decimal	9486761
CIELab	74.15, -21.10, 6.90
CIELCh	74, 22.196, 161.888
Yxy	46.9338, 0.2919, 0.3631
Android (android.graphics.Color)	4287676841 (0xFF90C1A9)
YUV	175.6130, -3.2602, -27.7246
Hunter-Lab	68.5082, -21.5814, 9.3620

Details

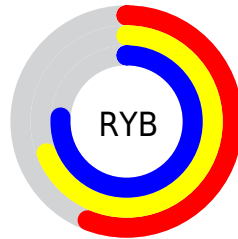
The Yxy color **46.9338, 0.2919, 0.3631** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.1124, 0.3402, 0.2973**, and the grayscale version is **43.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8951, 0.2961, 0.3572**, and **22.0249, 0.2854, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **45.0012, 0.2846, 0.3790**, and if you desaturate by 10%, it is **49.1931, 0.2999, 0.3486**.

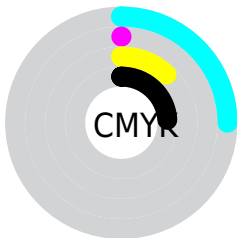
Distribution



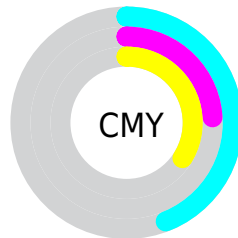
- Red (56%)
- Green (76%)
- Blue (66%)



- Red (56%)
- Yellow (69%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)





- Cyan (44%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9338, 0.2919, 0.3631 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 46.9338, 0.2919, 0.3631 by changing the saturation by 10% instead.


 46.9338, 0.2919,
0.3631


 46.9338, 0.2919,
0.3631


374.5502, 0.3025,
0.3457

 32.9833, 0.2892,
0.3676


 85.6148, 0.2958,
0.3567

 22.1137, 0.2857,
0.3734


 111.1141, 0.2972,
0.3543

 13.9404, 0.2810,
0.3813


141.2318, 0.2985,
0.3523

 8.0793, 0.2742,
0.3926

176.3523, 0.2995,
0.3506

 4.1457, 0.2639,
0.4102

216.8600, 0.3004,
0.3491

 1.7554, 0.2462,
0.4408

263.1393, 0.3012,

 0.4591, 0.0000,

0.3478

0.9633

315.5746, 0.3019,
0.3467

0.0000, 0.0000,
0.0000

46.9338, 0.2919,
0.3631

46.9338, 0.2919,
0.3631

45.0012, 0.2846,
0.3790

49.1931, 0.2999,
0.3486

43.3739, 0.2782,
0.3962

51.7878, 0.3082,
0.3355

42.0367, 0.2731,
0.4145

54.7336, 0.3166,
0.3238

40.9710, 0.2695,
0.4334

58.0433, 0.3250,
0.3134

40.1558, 0.2678,
0.4526

61.7292, 0.3333,
0.3043

■ 39.5668, 0.2681,
0.4716

■ 64.8807, 0.3375,
0.2959

■ 39.1742, 0.2703,
0.4898

■ 65.4140, 0.3302,
0.2867

■ 39.0318, 0.2717,
0.4980

■ 65.9764, 0.3231,
0.2777

■ 66.5683, 0.3162,
0.2691

Harmonies

Analogous

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



46.9338, 0.3225, 0.3812



46.9338, 0.2919, 0.3631



46.9338, 0.2677, 0.3347

Triad

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



46.9338, 0.2919, 0.3631



46.9338, 0.2737, 0.2780



46.9338, 0.3735, 0.3469

Complementary

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



46.9338, 0.2919, 0.3631



34.1124, 0.3402, 0.2973

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.



46.9338, 0.3593, 0.3211



46.9338, 0.2919, 0.3631



46.9338, 0.3006, 0.2827

Square

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



46.9338, 0.2919, 0.3631



46.9338, 0.2577, 0.2861



46.9338, 0.3321, 0.2981



46.9338, 0.3704, 0.3697

Rectangle

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



46.9338, 0.2919, 0.3631



46.9338, 0.2580, 0.3152



46.9338, 0.3321, 0.2981



46.9338, 0.3706, 0.3383

Sweetspot

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



46.9357, 0.2919, 0.3631



91.4139, 0.3059, 0.3389



48.5366, 0.3294, 0.3961



19.4569, 0.3046, 0.3409



97.7402, 0.3127, 0.3290



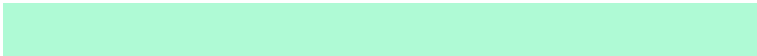
20.4902, 0.3127, 0.3290

Same Dimension

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



46.9357, 0.2919, 0.3631



82.2262, 0.2881, 0.3710



47.9226, 0.2759, 0.3289



11.3426, 0.3048, 0.3405



25.9749, 0.2710, 0.4957



1.1362, 0.2598, 0.4553

Inverse Universe

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



34.1124, 0.3402, 0.2973



55.6761, 0.3474, 0.2907



33.2977, 0.3658, 0.3292



10.1584, 0.3214, 0.3178



8.1019, 0.4978, 0.2516



0.3640, 0.4480, 0.2242

Previews

White Background



This preview shows how the Yxy color 46.9338, 0.2919, 0.3631 looks on a white background.

Color Contrast Check

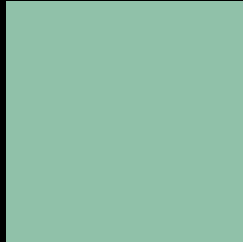
Large Text (above 18pt) WCAG AA × Fail

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 46.9338, 0.2919, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

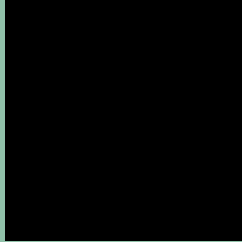
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

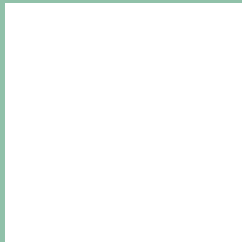
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9338, 0.2919, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 46.9338, 0.2919, 0.3631.

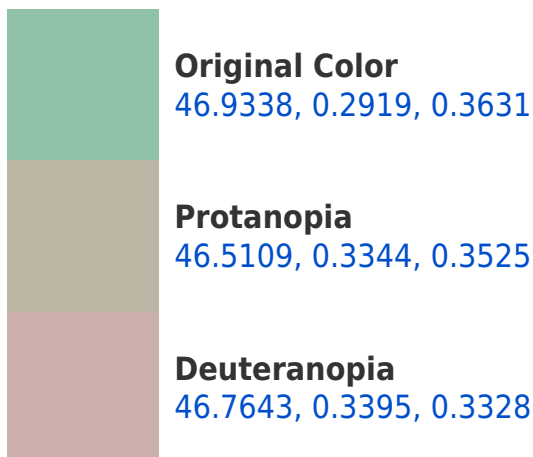


This preview shows how white text looks on a background with the Yxy color 46.9338, 0.2919, 0.3631.

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

46.8575, 0.2737, 0.3088

Trichromacy



Original Color

46.9338, 0.2919, 0.3631

Protanomaly

46.2988, 0.3182, 0.3561

Deuteranomaly

46.3795, 0.3207, 0.3422

Tritanomaly

46.8844, 0.2796, 0.3275

Monochromacy



Original Color

46.9338, 0.2919, 0.3631

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3655, 0.3046, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9338, 0.2919, 0.3631 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(144, 193, 169)` looks like.

```
.text, #text, p{  
    color:rgb(144, 193, 169)  
}
```

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(144, 193, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 193, 169) }
```

Border

The CSS property to change the border of an element to Yxy 46.9338, 0.2919, 0.3631 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(144, 193, 169) }
```

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

```
.border{ border-color:rgb(144, 193, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 193, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 193, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 193, 169);  
box-shadow:4px 4px 4px 4px rgb(144, 193,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9338, 0.2919, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 193, 169) }
```

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

```
.background{ background-color: rgb(144,  
193, 169) }
```

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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