

Converting Colors

$Yxy(46.8047, 0.3067, 0.3575)$

Have a look what the booklet for
Yxy(46.8047, 0.3067, 0.3575)
contains.

Yxy(46.9037, 0.3065, 0.3579)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.9037, 0.3065, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	A2BDA8
RGB	162, 189, 168
RGB Percent	64%, 74%, 66%
CMY	0.3646, 0.2588, 0.3412
CMYK	0.14, 0.00, 0.11, 0.26
HSL	133°, 17%, 69%
HSV	133°, 14%, 74%
XYZ	40.1676, 46.9037, 43.9812
YIQ	178.5330, -9.3510, -12.2550

Conversions

Conversions Part 2

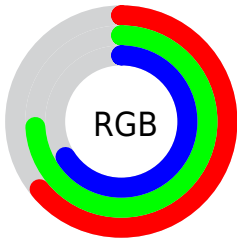
Format	Color
RYB	162, 184, 189
Decimal	10665384
CIELab	74.13, -13.27, 7.55
CIELCh	74, 15.265, 150.352
Yxy	46.9037, 0.3065, 0.3579
Android (android.graphics.Color)	4288855464 (0xFFA2BDA8)
YUV	178.5330, -5.1928, -14.4994
Hunter-Lab	68.4863, -15.1597, 9.8649

Details

The Yxy color $46.9037, 0.3065, 0.3579$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $40.0842, 0.3196, 0.3017$, and the grayscale version is $44.8519, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3842, 0.3078, 0.3523$, and $22.1843, 0.3044, 0.3672$ is the 20% darker color. If you saturate the color by 10%, you get $44.5551, 0.3022, 0.3812$, and if you desaturate by 10%, it is $49.6158, 0.3109, 0.3371$.

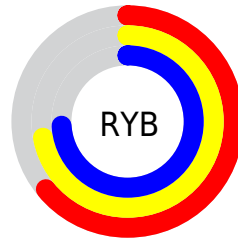
Distribution



Red (64%)

Green (74%)

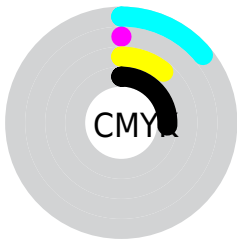
Blue (66%)



Red (64%)

Yellow (72%)

Blue (74%)

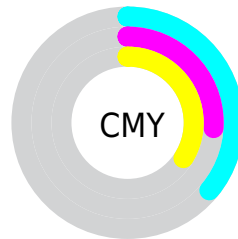


Cyan (14%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (36%)

Magenta (26%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9037, 0.3065, 0.3579 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 46.9037, 0.3065, 0.3579 by changing the saturation by 10% instead.

■ 46.9037, 0.3065,
0.3579

■ 46.9037, 0.3065,
0.3579

374.4300, 0.3097,
0.3432

■ 32.9595, 0.3056,
0.3617

■ 85.5699, 0.3077,
0.3525

■ 22.0954, 0.3045,
0.3666

■ 111.0606, 0.3082,
0.3505

■ 13.9270, 0.3030,
0.3732

141.1691, 0.3085,
0.3488

■ 8.0699, 0.3007,
0.3826

176.2796, 0.3088,
0.3473

■ 4.1397, 0.2971,
0.3972

216.7765, 0.3091,
0.3461

■ 1.7520, 0.2906,
0.4224

263.0443, 0.3094,

■ 0.4570, 0.1947,

0.3450

0.8053

315.4673, 0.3096,
0.3440

0.0000, 0.0000,
0.0000

46.9037, 0.3065,
0.3579

46.9037, 0.3065,
0.3579

44.5551, 0.3022,
0.3812

49.6158, 0.3109,
0.3371

42.5486, 0.2981,
0.4069

52.6998, 0.3152,
0.3188

40.8701, 0.2945,
0.4347

56.1713, 0.3193,
0.3028

39.5015, 0.2917,
0.4638

60.0430, 0.3232,
0.2889

38.4236, 0.2898,
0.4930

64.0389, 0.3257,
0.2767

■ 37.6146, 0.2893,
0.5210

■ 64.8757, 0.3157,
0.2644

■ 37.0495, 0.2901,
0.5460

■ 36.6987, 0.2921,
0.5667

■ 36.5623, 0.2934,
0.5764

Harmonies

Analogous

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



46.9037, 0.3279, 0.3663



46.9037, 0.3065, 0.3579



46.9037, 0.2873, 0.3409

Triad

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



46.9037, 0.3065, 0.3579



46.9037, 0.2803, 0.2947



46.9037, 0.3519, 0.3350

Complementary

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



46.9037, 0.3065, 0.3579



40.0842, 0.3196, 0.3017

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.



46.9037, 0.3383, 0.3171



46.9037, 0.3065, 0.3579



46.9037, 0.2967, 0.2943

Square

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



46.9037, 0.3065, 0.3579



46.9037, 0.2725, 0.3041



46.9037, 0.3179, 0.3024



46.9037, 0.3546, 0.3521

Rectangle

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



46.9037, 0.3065, 0.3579



46.9037, 0.2781, 0.3275



46.9037, 0.3179, 0.3024



46.9037, 0.3484, 0.3289

Sweetspot

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



46.9057, 0.3065, 0.3579



88.9723, 0.3110, 0.3367



49.0910, 0.3288, 0.3644



19.0491, 0.3106, 0.3382



95.5105, 0.3127, 0.3290



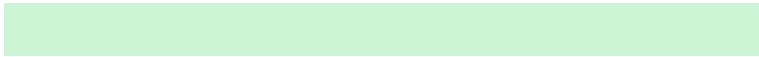
19.5994, 0.3127, 0.3290

Same Dimension

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



46.9057, 0.3065, 0.3579



82.6806, 0.3052, 0.3646



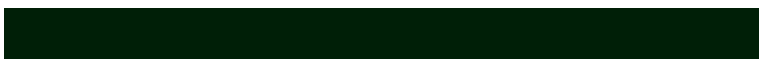
47.4293, 0.2967, 0.3393



10.6834, 0.3087, 0.3474



24.6096, 0.2929, 0.5744



0.9741, 0.2799, 0.5275

Inverse Universe

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



40.0842, 0.3196, 0.3017



68.2065, 0.3212, 0.2958



39.5541, 0.3317, 0.3189



9.6591, 0.3171, 0.3113



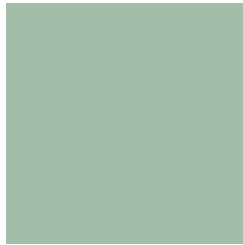
8.7102, 0.3855, 0.1897



0.3503, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 46.9037, 0.3065, 0.3579 looks on a white background.

Color Contrast Check

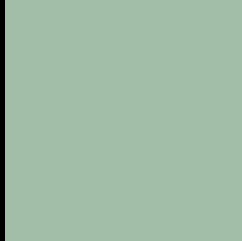
Large Text (above 18pt) WCAG AA × Fail

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 46.9037, 0.3065, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

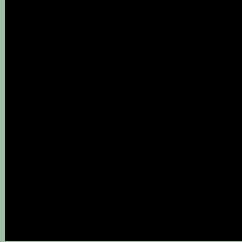
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

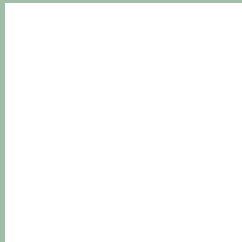
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9037, 0.3065, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 46.9037, 0.3065, 0.3579.



This preview shows how white text looks on a background with the Yxy color 46.9037, 0.3065, 0.3579.

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

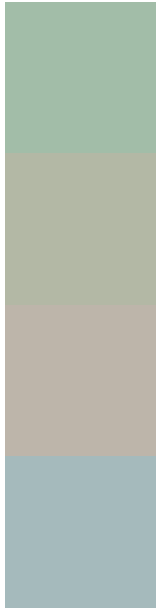




Tritanopia

46.6200, 0.2878, 0.3093

Trichromacy



Original Color

46.9037, 0.3065, 0.3579

Protanomaly

46.5813, 0.3235, 0.3544

Deuteranomaly

46.7688, 0.3286, 0.3433

Tritanomaly

46.7480, 0.2942, 0.3263

Monochromacy



Original Color

46.9037, 0.3065, 0.3579

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8464, 0.3105, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9037, 0.3065, 0.3579 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(162, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 189, 168)  
}
```

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(162, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 189, 168) }
```

Border

The CSS property to change the border of an element to Yxy 46.9037, 0.3065, 0.3579 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(162, 189, 168) }
```

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

```
.border{ border-color:rgb(162, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 189,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9037, 0.3065, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 189, 168) }
```

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

```
.background{ background-color: rgb(162,  
189, 168) }
```

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