

Converting Colors

Yxy(46.8412, 0.3068, 0.3298)

Have a look what the booklet for
Yxy(46.8412, 0.3068, 0.3298)
contains.

Yxy(46.9300, 0.3068, 0.3303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9300, 0.3068, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	B0B8B7
RGB	176, 184, 183
RGB Percent	69%, 72%, 72%
CMY	0.3098, 0.2784, 0.2823
CMYK	0.04, 0.00, 0.01, 0.28
HSL	172°, 5%, 71%
HSV	172°, 4%, 72%
XYZ	43.5911, 46.9300, 51.5619
YIQ	181.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

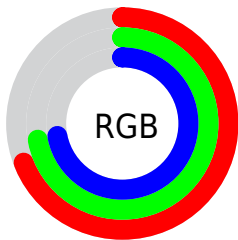
Format	Color
RYB	176, 180, 184
Decimal	11581623
CIELab	74.14, -2.97, -0.47
CIELCh	74, 3.005, 188.962
Yxy	46.9300, 0.3068, 0.3303
Android (android.graphics.Color)	4289771703 (0xFFB0B8B7)
YUV	181.4940, 0.7425, -4.8182
Hunter-Lab	68.5055, -6.3024, 3.3281

Details

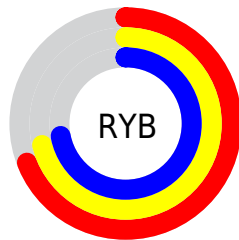
The Yxy color **46.9300, 0.3068, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4133, 0.3190, 0.3277**, and the grayscale version is **46.4880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7080, 0.3081, 0.3300**, and **22.1294, 0.3058, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **44.8354, 0.2936, 0.3335**, and if you desaturate by 10%, it is **49.3209, 0.3205, 0.3274**.

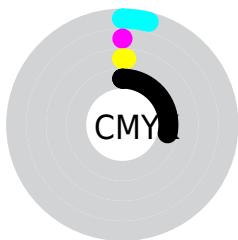
Distribution



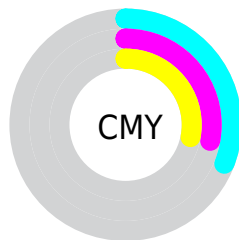
- Red (69%)
- Green (72%)
- Blue (72%)



- Red (69%)
- Yellow (71%)
- Blue (72%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9300, 0.3068, 0.3303 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 46.9300, 0.3068, 0.3303 by changing the saturation by 10% instead.

■ 46.9300, 0.3068,
0.3303

■ 46.9300, 0.3068,
0.3303

374.5350, 0.3098,
0.3297

■ 32.9803, 0.3061,
0.3305

■ 85.6091, 0.3079,
0.3301

■ 22.1114, 0.3051,
0.3307

111.1074, 0.3083,
0.3300

■ 13.9388, 0.3039,
0.3309

141.2239, 0.3086,
0.3299

■ 8.0781, 0.3021,
0.3313

176.3431, 0.3089,
0.3298

■ 4.1450, 0.2995,
0.3318

216.8495, 0.3092,
0.3298

■ 1.7550, 0.2951,
0.3327

263.1273, 0.3094,

■ 0.4589, 0.2684,

0.3297

0.3387

315.5610, 0.3096,
0.3297

0.0000, 0.0000,
0.0000

46.9300, 0.3068,
0.3303

46.9300, 0.3068,
0.3303

44.8354, 0.2936,
0.3335

49.3209, 0.3205,
0.3274

43.0195, 0.2812,
0.3370

52.0131, 0.3344,
0.3248

41.4719, 0.2698,
0.3407

55.0189, 0.3484,
0.3225

40.1792, 0.2598,
0.3447

58.3483, 0.3622,
0.3204

39.1270, 0.2514,
0.3488

59.4620, 0.3648,
0.3182

■ 38.2993, 0.2447,
0.3531

■ 59.5666, 0.3629,
0.3158

■ 37.6782, 0.2399,
0.3574

■ 59.6729, 0.3609,
0.3134

■ 37.2432, 0.2370,
0.3618

■ 59.7807, 0.3589,
0.3111

■ 36.9693, 0.2359,
0.3661

■ 59.8902, 0.3569,
0.3087

Harmonies

Analogous

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



46.9300, 0.3104, 0.3337



46.9300, 0.3068, 0.3303



46.9300, 0.3048, 0.3265

Triad

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



46.9300, 0.3068, 0.3303



46.9300, 0.3108, 0.3223



46.9300, 0.3206, 0.3345

Complementary

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



46.9300, 0.3068, 0.3303



44.4133, 0.3190, 0.3277

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.



46.9300, 0.3207, 0.3314



46.9300, 0.3068, 0.3303



46.9300, 0.3150, 0.3244

Square

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



46.9300, 0.3068, 0.3303



46.9300, 0.3071, 0.3219



46.9300, 0.3187, 0.3277



46.9300, 0.3184, 0.3362

Rectangle

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



46.9300, 0.3068, 0.3303



46.9300, 0.3046, 0.3244



46.9300, 0.3187, 0.3277



46.9300, 0.3209, 0.3336

Sweetspot

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



46.9320, 0.3068, 0.3303



86.4561, 0.3113, 0.3293



46.7723, 0.3131, 0.3396



18.6430, 0.3114, 0.3293



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



46.9320, 0.3068, 0.3303



84.7759, 0.3058, 0.3305



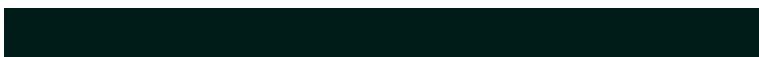
45.7658, 0.3061, 0.3251



10.3693, 0.3051, 0.3307



25.4061, 0.2356, 0.3680



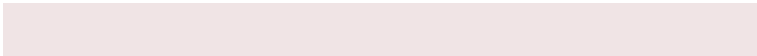
0.9011, 0.2325, 0.3569

Inverse Universe

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



44.4133, 0.3190, 0.3277



79.4721, 0.3201, 0.3275



45.5381, 0.3195, 0.3329



9.6551, 0.3209, 0.3273



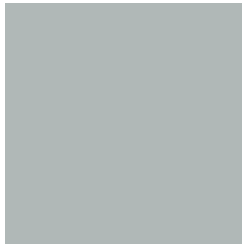
7.0717, 0.6221, 0.3201



0.2553, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 46.9300, 0.3068, 0.3303 looks on a white background.

Color Contrast Check

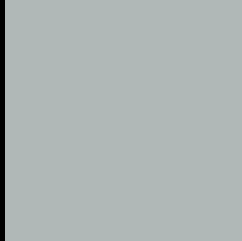
Large Text (above 18pt) WCAG AA × Fail

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 46.9300, 0.3068, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

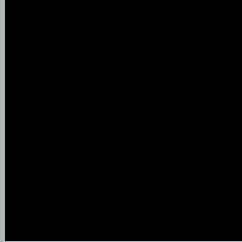
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

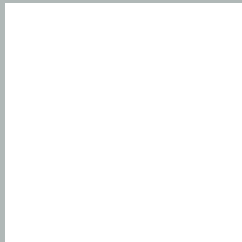
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9300, 0.3068, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 46.9300, 0.3068, 0.3303.



This preview shows how white text looks on a background with the Yxy color 46.9300, 0.3068, 0.3303.

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

46.9300, 0.3068, 0.3303

Protanopia

46.6982, 0.3161, 0.3290

Deuteranopia

46.6956, 0.3256, 0.3178



Tritanopia

46.9064, 0.2986, 0.3109

Trichromacy



Original Color

46.9300, 0.3068, 0.3303

Protanomaly

46.7784, 0.3127, 0.3290

Deuteranomaly

46.7773, 0.3191, 0.3227

Tritanomaly

46.9757, 0.3016, 0.3186

Monochromacy



Original Color

46.9300, 0.3068, 0.3303

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4170, 0.3102, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9300, 0.3068, 0.3303 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(176, 184, 183)` looks like.

```
.text, #text, p{  
    color:rgb(176, 184, 183)  
}
```

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(176, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 184, 183) }
```

Border

The CSS property to change the border of an element to Yxy 46.9300, 0.3068, 0.3303 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(176, 184, 183) }
```

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

```
.border{ border-color:rgb(176, 184, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 184, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(176, 184,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9300, 0.3068, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 184, 183) }
```

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

```
.background{ background-color: rgb(176,  
184, 183) }
```

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