

Converting Colors

$Yxy(46.5574, 0.3105, 0.3344)$

Have a look what the booklet for
Yxy(46.5574, 0.3105, 0.3344)
contains.

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Color

Yxy(46.4688, 0.3108, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	B1B7B3
RGB	177, 183, 179
RGB Percent	69%, 72%, 70%
CMY	0.3058, 0.2823, 0.2981
CMYK	0.03, 0.00, 0.02, 0.28
HSL	140°, 4%, 71%
HSV	140°, 3%, 72%
XYZ	43.2022, 46.4688, 49.3323
YIQ	180.7500, -2.2920, -2.5160

Conversions

Conversions Part 2

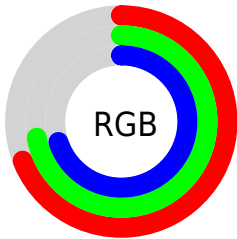
Format	Color
RYB	177, 182, 183
Decimal	11646899
CIELab	73.85, -2.84, 1.30
CIELCh	74, 3.125, 155.393
Yxy	46.4688, 0.3108, 0.3343
Android (android.graphics.Color)	4289836979 (0xFFB1B7B3)
YUV	180.7500, -0.8628, -3.2887
Hunter-Lab	68.1680, -6.1677, 4.8103

Details

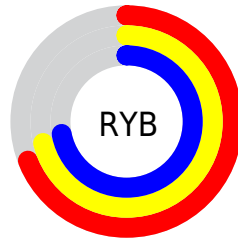
The Yxy color **46.4688, 0.3108, 0.3343** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8539, 0.3147, 0.3238**, and the grayscale version is **46.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0548, 0.3112, 0.3331**, and **21.7567, 0.3101, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **43.9892, 0.3050, 0.3519**, and if you desaturate by 10%, it is **49.2847, 0.3166, 0.3188**.

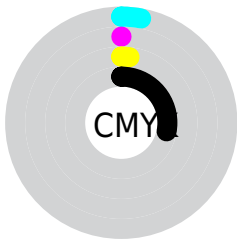
Distribution



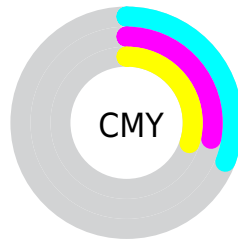
- Red (69%)
- Green (72%)
- Blue (70%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4688, 0.3108, 0.3343 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 46.4688, 0.3108, 0.3343 by changing the saturation by 10% instead.

■ 46.4688, 0.3108,
0.3343

■ 46.4688, 0.3108,
0.3343

372.6902, 0.3118,
0.3316

■ 32.6159, 0.3106,
0.3350

■ 84.9202, 0.3112,
0.3333

■ 21.8324, 0.3102,
0.3358

110.2874, 0.3113,
0.3330

■ 13.7338, 0.3098,
0.3370

140.2616, 0.3114,
0.3327

■ 7.9357, 0.3092,
0.3386

175.2271, 0.3115,
0.3324

■ 4.0539, 0.3083,
0.3410

215.5683, 0.3116,
0.3322

■ 1.7037, 0.3068,
0.3452

261.6697, 0.3116,

■ 0.4261, 0.2958,

0.3320

0.3755

313.9155, 0.3117,
0.3318

0.0000, 0.0000,
0.0000

46.4688, 0.3108,
0.3343

46.4688, 0.3108,
0.3343

43.9892, 0.3050,
0.3519

49.2847, 0.3166,
0.3188

41.8275, 0.2992,
0.3715

52.4429, 0.3223,
0.3051

39.9723, 0.2939,
0.3932

55.9565, 0.3278,
0.2932

38.4092, 0.2891,
0.4168

59.8364, 0.3330,
0.2828

37.1230, 0.2853,
0.4418

61.4391, 0.3272,
0.2718

■ 36.0965, 0.2828,
0.4675

■ 62.1945, 0.3178,
0.2606

■ 35.3111, 0.2817,
0.4930

■ 62.3482, 0.3160,
0.2585

■ 34.7451, 0.2824,
0.5173

■ 34.3729, 0.2847,
0.5391

Harmonies

Analogous

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



46.4688, 0.3152, 0.3363



46.4688, 0.3108, 0.3343



46.4688, 0.3069, 0.3308

Triad

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



46.4688, 0.3108, 0.3343



46.4688, 0.3065, 0.3217



46.4688, 0.3209, 0.3311

Complementary

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



46.4688, 0.3108, 0.3343



44.8539, 0.3147, 0.3238

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.



46.4688, 0.3186, 0.3272



46.4688, 0.3108, 0.3343



46.4688, 0.3102, 0.3218

Square

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



46.4688, 0.3108, 0.3343



46.4688, 0.3044, 0.3235



46.4688, 0.3146, 0.3238



46.4688, 0.3211, 0.3344

Rectangle

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



46.4688, 0.3108, 0.3343



46.4688, 0.3051, 0.3282



46.4688, 0.3146, 0.3238



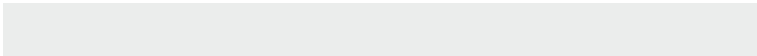
46.4688, 0.3204, 0.3298

Sweetspot

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



46.4708, 0.3108, 0.3343



84.3103, 0.3121, 0.3306



46.8795, 0.3158, 0.3369



18.6272, 0.3122, 0.3305



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.



46.4708, 0.3108, 0.3343



82.8520, 0.3103, 0.3356



46.5901, 0.3085, 0.3304



10.3727, 0.3100, 0.3366



23.8676, 0.2861, 0.5499



0.8531, 0.2707, 0.4944

Inverse Universe

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



44.8539, 0.3147, 0.3238



79.2743, 0.3152, 0.3225



44.7353, 0.3171, 0.3276



9.8586, 0.3156, 0.3215



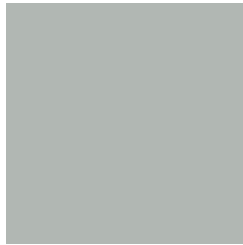
8.0283, 0.4242, 0.2111



0.2939, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 46.4688, 0.3108, 0.3343 looks on a white background.

Color Contrast Check

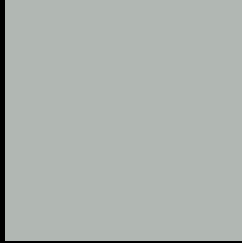
Large Text (above 18pt) WCAG AA × Fail

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 46.4688, 0.3108, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

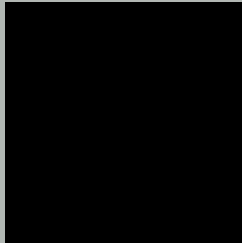
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

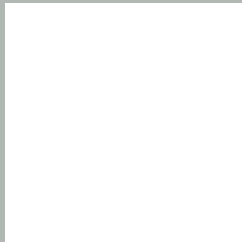
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4688, 0.3108, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 46.4688, 0.3108, 0.3343.



This preview shows how white text looks on a background with the Yxy color 46.4688, 0.3108, 0.3343.

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

46.4688, 0.3108, 0.3343

Protanopia

46.5764, 0.3186, 0.3329

Deuteranopia

46.4881, 0.3298, 0.3240



Tritanopia

46.6912, 0.3010, 0.3110

Trichromacy



Original Color

46.4688, 0.3108, 0.3343

Protanomaly

46.6153, 0.3159, 0.3342

Deuteranomaly

46.6119, 0.3224, 0.3278

Tritanomaly

46.7137, 0.3048, 0.3199

Monochromacy



Original Color

46.4688, 0.3108, 0.3343

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4545, 0.3126, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4688, 0.3108, 0.3343 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(177, 183, 179)` looks like.

```
.text, #text, p{  
    color:rgb(177, 183, 179)  
}
```

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(177, 183, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 183, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.4688, 0.3108, 0.3343 is called "border". The border property can be set on classes, ids or directly on the HTML element.

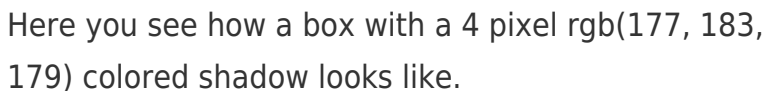
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 183, 179) }
```

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

```
.border{ border-color:rgb(177, 183, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 183, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 183, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 183, 179);  
box-shadow:4px 4px 4px 4px rgb(177, 183,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4688, 0.3108, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 183, 179) }
```

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

```
.background{ background-color: rgb(177,  
183, 179) }
```

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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