

Converting Colors

$Yxy(46.6810, 0.3121, 0.3182)$

Have a look what the booklet for
Yxy(46.6810, 0.3121, 0.3182)
contains.

Yxy(46.8382, 0.3123, 0.3188)	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(46.8382, 0.3123, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	BBB4BC
RGB	187, 180, 188
RGB Percent	73%, 71%, 74%
CMY	0.2668, 0.2940, 0.2627
CMYK	0.01, 0.04, 0.00, 0.26
HSL	292°, 6%, 72%
HSV	292°, 4%, 74%
XYZ	45.8832, 46.8382, 54.1989
YIQ	183.0050, 1.6040, 3.9720

Conversions

Conversions Part 2

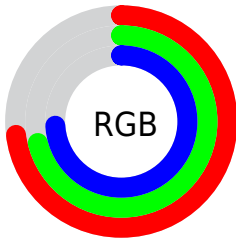
Format	Color
R _Y B	187, 180, 188
Decimal	12301500
CIE Lab	74.09, 3.93, -3.18
CIE LCh	74, 5.056, 320.984
Yxy	46.8382, 0.3123, 0.3188
Android (android.graphics.Color)	4290491580 (0xFFBBB4BC)
YUV	183.0050, 2.4625, 3.5036
Hunter-Lab	68.4384, -0.0954, 0.9530

Details

The Yxy color **46.8382, 0.3123, 0.3188** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0945, 0.3131, 0.3394**, and the grayscale version is **47.3403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5772, 0.3124, 0.3210**, and **21.9963, 0.3122, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **39.4481, 0.3111, 0.2940**, and if you desaturate by 10%, it is **55.2672, 0.3132, 0.3424**.

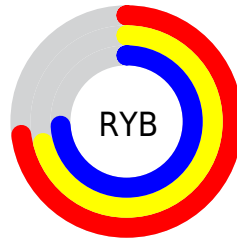
Distribution



Red (73%)

Green (71%)

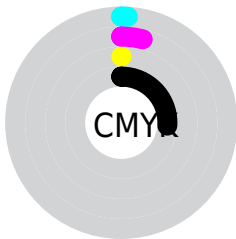
Blue (74%)



Red (73%)

Yellow (71%)

Blue (74%)

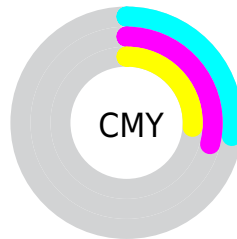


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (26%)



Cyan (27%)

Magenta (29%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8382, 0.3123, 0.3188 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 46.8382, 0.3123, 0.3188 by changing the saturation by 10% instead.

■ 46.8382, 0.3123,
0.3188

■ 46.8382, 0.3123,
0.3188

374.1683, 0.3125,
0.3239

■ 32.9078, 0.3122,
0.3175

■ 85.4721, 0.3124,
0.3206

■ 22.0558, 0.3122,
0.3159

110.9443, 0.3124,
0.3213

■ 13.8979, 0.3120,
0.3138

141.0325, 0.3124,
0.3219

■ 8.0497, 0.3119,
0.3108

176.1212, 0.3125,
0.3224

■ 4.1268, 0.3116,
0.3065

216.5948, 0.3125,
0.3229

■ 1.7447, 0.3111,
0.2993

262.8375, 0.3125,

■ 0.4524, 0.3106,

0.3232


0.2671

315.2339, 0.3125,
0.3236

 0.0000, 0.0000,
0.0000

 46.8382, 0.3123,
0.3188


 46.8382, 0.3123,
0.3188

 39.4481, 0.3111,
0.2940


 55.2672, 0.3132,
0.3424

 33.0497, 0.3096,
0.2685

 64.7680, 0.3138,
0.3645


 27.6011, 0.3077,
0.2429

 75.3795, 0.3143,
0.3850

 23.0551, 0.3054,
0.2182

 86.9964, 0.3145,
0.4035

 19.3602, 0.3028,
0.1954

 87.3316, 0.3161,
0.4032

■ 16.4601, 0.2998,
0.1753

■ 87.6722, 0.3176,
0.4028

■ 14.2913, 0.2966,
0.1590

■ 88.0183, 0.3191,
0.4025

■ 12.7807, 0.2933,
0.1469

■ 88.3700, 0.3207,
0.4021

■ 11.8401, 0.2899,
0.1392

■ 88.7272, 0.3223,
0.4018

Harmonies

Analogous

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



46.8382, 0.3055, 0.3170



46.8382, 0.3123, 0.3188



46.8382, 0.3193, 0.3233

Triad

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



46.8382, 0.3123, 0.3188



46.8382, 0.3249, 0.3397



46.8382, 0.3010, 0.3286

Complementary

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



46.8382, 0.3123, 0.3188



49.0945, 0.3131, 0.3394

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.



46.8382, 0.3061, 0.3348



46.8382, 0.3123, 0.3188



46.8382, 0.3199, 0.3413

Square

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



46.8382, 0.3123, 0.3188



46.8382, 0.3266, 0.3353



46.8382, 0.3130, 0.3395



46.8382, 0.2990, 0.3225

Rectangle

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



46.8382, 0.3123, 0.3188



46.8382, 0.3231, 0.3272



46.8382, 0.3130, 0.3395



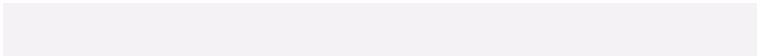
46.8382, 0.3024, 0.3307

Sweetspot

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



46.8402, 0.3123, 0.3188



89.6133, 0.3126, 0.3266



46.4183, 0.3064, 0.3200



19.2877, 0.3126, 0.3267



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.



46.8402, 0.3123, 0.3188



83.6987, 0.3122, 0.3168



46.8477, 0.3155, 0.3225



10.2665, 0.3122, 0.3155



7.8214, 0.2884, 0.1362



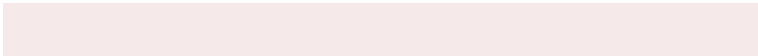
0.3243, 0.2967, 0.1408

Inverse Universe

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



46.6807, 0.3188, 0.3277



83.3555, 0.3200, 0.3274



49.0889, 0.3100, 0.3355



10.2199, 0.3208, 0.3272



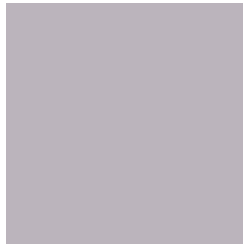
7.3324, 0.6212, 0.3195



0.2939, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 46.8382, 0.3123, 0.3188 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 46.8382, 0.3123, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

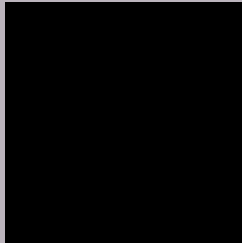
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

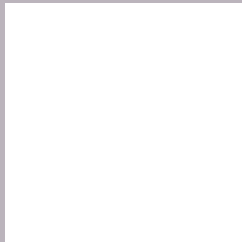
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8382, 0.3123, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 46.8382, 0.3123, 0.3188.



This preview shows how white text looks on a background with the Yxy color 46.8382, 0.3123, 0.3188.

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

46.8382, 0.3123, 0.3188

Protanopia

46.7891, 0.3081, 0.3187

Deuteranopia

46.9887, 0.3204, 0.3141



Tritanopia

46.7818, 0.3093, 0.3113

Trichromacy



Original Color

46.8382, 0.3123, 0.3188

Protanomaly

46.9122, 0.3090, 0.3187

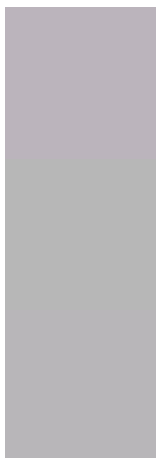
Deuteranomaly

46.8524, 0.3168, 0.3152

Tritanomaly

46.6932, 0.3109, 0.3138

Monochromacy



Original Color

46.8382, 0.3123, 0.3188

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1490, 0.3120, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8382, 0.3123, 0.3188 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(187, 180, 188)` looks like.

```
.text, #text, p{  
    color:rgb(187, 180, 188)  
}
```

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(187, 180, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 180, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.8382, 0.3123, 0.3188 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(187, 180, 188) }
```

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

```
.border{ border-color:rgb(187, 180, 188) }
```

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

Here you see how a box with a 4 pixel rgb(187, 180, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 180, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 180, 188);  
box-shadow:4px 4px 4px 4px rgb(187, 180,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8382, 0.3123, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 180, 188) }
```

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

```
.background{ background-color: rgb(187,  
180, 188) }
```

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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