

Converting Colors

$Yxy(46.6235, 0.3208, 0.3298)$

Have a look what the booklet for
Yxy(46.6235, 0.3208, 0.3298)
contains.

Yxy(46.7160, 0.3213, 0.3303)	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(46.7160, 0.3213, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	BDB4B3
RGB	189, 180, 179
RGB Percent	74%, 71%, 70%
CMY	0.2589, 0.2941, 0.2980
CMYK	0.00, 0.05, 0.05, 0.26
HSL	6°, 7%, 72%
HSV	6°, 5%, 74%
XYZ	45.4431, 46.7160, 49.2760
YIQ	182.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

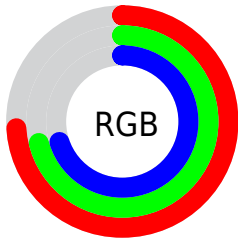
Format	Color
R _Y B	189, 180, 179
Decimal	12432563
CIE Lab	74.01, 3.01, 1.63
CIE LCh	74, 3.423, 28.508
Yxy	46.7160, 0.3213, 0.3303
Android (android.graphics.Color)	4290622643 (0xFFBDB4B3)
YUV	182.5770, -1.7635, 5.6330
Hunter-Lab	68.3491, -0.9321, 5.0995

Details

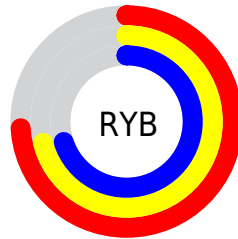
The Yxy color **46.7160, 0.3213, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.2236, 0.3046, 0.3277**, and the grayscale version is **47.1184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4015, 0.3194, 0.3300**, and **21.9193, 0.3246, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **39.5507, 0.3404, 0.3329**, and if you desaturate by 10%, it is **54.8336, 0.3058, 0.3279**.

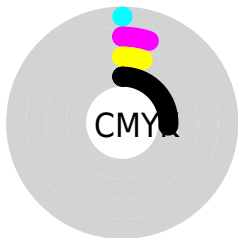
Distribution



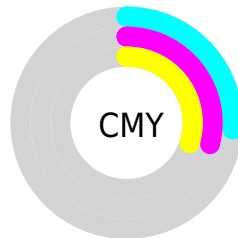
- Red (74%)
- Green (71%)
- Blue (70%)



- Red (74%)
- Yellow (71%)
- Blue (70%)



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (26%)





- Cyan (26%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7160, 0.3213, 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 46.7160, 0.3213, 0.3303 by changing the saturation by 10% instead.


 46.7160, 0.3213,
0.3303

 46.7160, 0.3213,
0.3303


373.6798, 0.3170,
0.3297

 32.8112, 0.3224,
0.3305


 85.2895, 0.3197,
0.3301

 21.9819, 0.3238,
0.3306


110.7271, 0.3192,
0.3300

 13.8436, 0.3256,
0.3309


140.7776, 0.3187,
0.3299

 8.0119, 0.3282,
0.3312

175.8256, 0.3182,
0.3299

 4.1026, 0.3321,
0.3317

216.2555, 0.3179,
0.3298

 1.7311, 0.3386,
0.3325

262.4515, 0.3175,

 0.4437, 0.3786,

0.3298

0.3393

314.7981, 0.3173,
0.3297

0.0000, 0.0000,
0.0000

46.7160, 0.3213,
0.3303

46.7160, 0.3213,
0.3303

39.5507, 0.3404,
0.3329

54.8336, 0.3058,
0.3279

33.2970, 0.3638,
0.3357

63.9303, 0.2931,
0.3257

27.9202, 0.3924,
0.3385

74.0395, 0.2827,
0.3237

23.3809, 0.4267,
0.3412

85.1909, 0.2742,
0.3219

19.6370, 0.4666,
0.3433

89.5575, 0.2747,
0.3289

■ 16.6425, 0.5106,
0.3444

■ 14.3468, 0.5551,
0.3440

■ 12.6928, 0.5945,
0.3416

■ 11.6146, 0.6226,
0.3376

Harmonies

Analogous

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



46.7160, 0.3182, 0.3261



46.7160, 0.3213, 0.3303



46.7160, 0.3221, 0.3342

Triad

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



46.7160, 0.3213, 0.3303



46.7160, 0.3117, 0.3355



46.7160, 0.3052, 0.3213

Complementary

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



46.7160, 0.3213, 0.3303



49.2236, 0.3046, 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.



46.7160, 0.3035, 0.3237



46.7160, 0.3213, 0.3303



46.7160, 0.3072, 0.3320

Square

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



46.7160, 0.3213, 0.3303



46.7160, 0.3165, 0.3372



46.7160, 0.3042, 0.3276



46.7160, 0.3089, 0.3209

Rectangle

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



46.7160, 0.3213, 0.3303



46.7160, 0.3211, 0.3361



46.7160, 0.3042, 0.3276



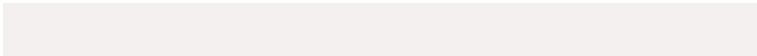
46.7160, 0.3044, 0.3219

Sweetspot

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



46.7180, 0.3213, 0.3303



88.2132, 0.3159, 0.3295



46.7006, 0.3140, 0.3174



19.0018, 0.3157, 0.3295



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.



46.7180, 0.3213, 0.3303



82.5705, 0.3227, 0.3305



48.7007, 0.3208, 0.3365



10.1445, 0.3235, 0.3306



7.6425, 0.6310, 0.3372



0.3513, 0.6016, 0.3605

Inverse Universe

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



49.2236, 0.3046, 0.3277



87.7247, 0.3034, 0.3275



47.1961, 0.3047, 0.3214



10.8275, 0.3027, 0.3274



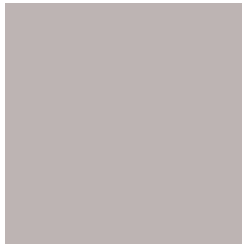
21.9218, 0.2161, 0.2978



0.9062, 0.2183, 0.3059

Previews

White Background



This preview shows how the Yxy color 46.7160, 0.3213, 0.3303 looks on a white background.

Color Contrast Check

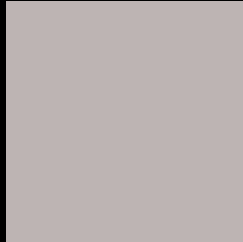
Large Text (above 18pt) WCAG AA × Fail

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 46.7160, 0.3213, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

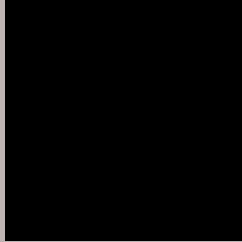
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

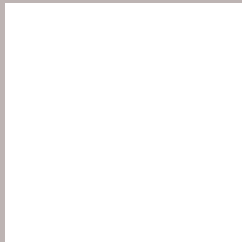
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7160, 0.3213, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 46.7160, 0.3213, 0.3303.



This preview shows how white text looks on a background with the Yxy color 46.7160, 0.3213, 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

46.7160, 0.3213, 0.3303

Protanopia

46.7821, 0.3178, 0.3303

Deuteranopia

46.6253, 0.3307, 0.3241



Tritanopia

46.7229, 0.3127, 0.3114

Trichromacy



Original Color

46.7160, 0.3213, 0.3303

Protanomaly

46.9078, 0.3187, 0.3303

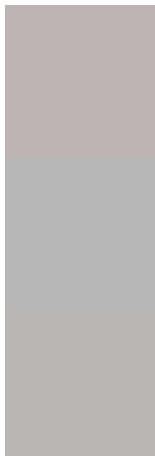
Deuteranomaly

46.4753, 0.3270, 0.3253

Tritanomaly

46.7752, 0.3158, 0.3188

Monochromacy



Original Color

46.7160, 0.3213, 0.3303

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1476, 0.3153, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7160, 0.3213, 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(189, 180, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 180, 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(189, 180, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 180, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.7160, 0.3213, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

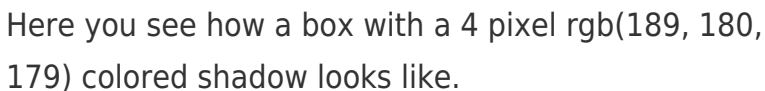
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 180, 179) }
```

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

```
.border{ border-color:rgb(189, 180, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 180, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 180, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 180, 179); box-shadow:4px 4px 4px 4px rgb(189, 180, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7160, 0.3213, 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(189, 180, 179) }
```

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

```
.background{ background-color: rgb(189,  
180, 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](#).

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