

Converting Colors

$Yxy(46.9426, 0.3234, 0.3461)$

Have a look what the booklet for
Yxy(46.9426, 0.3234, 0.3461)
contains.

Yxy(46.8365, 0.3231, 0.3461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8365, 0.3231, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	B7B7AA
RGB	183, 183, 170
RGB Percent	72%, 72%, 67%
CMY	0.2822, 0.2824, 0.3333
CMYK	0.00, 0.00, 0.07, 0.28
HSL	60°, 8%, 69%
HSV	60°, 7%, 72%
XYZ	43.7240, 46.8365, 44.7660
YIQ	181.5180, 4.1730, -4.0430

Conversions

Conversions Part 2

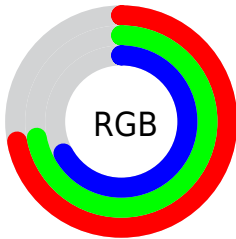
Format	Color
RYB	170, 183, 170
Decimal	12040106
CIELab	74.09, -2.32, 6.60
CIELCh	74, 6.998, 109.350
Yxy	46.8365, 0.3231, 0.3461
Android (android.graphics.Color)	4290230186 (0xFFB7B7AA)
YUV	181.5180, -5.6784, 1.2997
Hunter-Lab	68.4372, -5.7228, 9.1234

Details

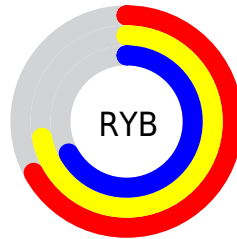
The Yxy color **46.8365, 0.3231, 0.3461** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.7328, 0.3020, 0.3113**, and the grayscale version is **46.5368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5200, 0.3214, 0.3433**, and **22.0191, 0.3258, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **46.1682, 0.3381, 0.3707**, and if you desaturate by 10%, it is **47.6054, 0.3086, 0.3222**.

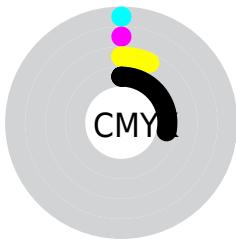
Distribution



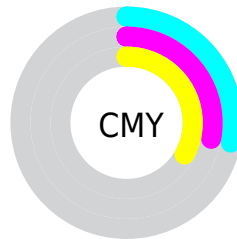
- Red (72%)
- Green (72%)
- Blue (67%)



- Red (67%)
- Yellow (72%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)



- Cyan (28%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8365, 0.3231, 0.3461 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 46.8365, 0.3231, 0.3461 by changing the saturation by 10% instead.

■ 46.8365, 0.3231,
0.3461

■ 46.8365, 0.3231,
0.3461

374.1615, 0.3179,
0.3375

■ 32.9064, 0.3244,
0.3483

■ 85.4695, 0.3212,
0.3430

■ 22.0548, 0.3260,
0.3510

110.9412, 0.3205,
0.3418

■ 13.8971, 0.3282,
0.3548

141.0290, 0.3199,
0.3408

■ 8.0492, 0.3313,
0.3600

176.1171, 0.3194,
0.3400

■ 4.1264, 0.3358,
0.3679

216.5900, 0.3190,
0.3392

■ 1.7445, 0.3431,
0.3811

262.8322, 0.3186,

■ 0.4522, 0.4359,

0.3386

0.5281

315.2279, 0.3182,
0.3380

0.0000, 0.0000,
0.0000

46.8365, 0.3231,
0.3461

46.8365, 0.3231,
0.3461

46.1682, 0.3381,
0.3707

47.6054, 0.3086,
0.3222

45.5903, 0.3531,
0.3955

48.4724, 0.2949,
0.2996

45.1007, 0.3677,
0.4195

49.4432, 0.2820,
0.2784

44.6948, 0.3814,
0.4420

50.5210, 0.2701,
0.2588

44.3676, 0.3936,
0.4620

51.2821, 0.2631,
0.2471

■ 44.1137, 0.4037,
0.4786

■ 51.3073, 0.2631,
0.2472

■ 43.9267, 0.4114,
0.4911

■ 51.3325, 0.2631,
0.2473

■ 43.7996, 0.4165,
0.4994

■ 51.3577, 0.2631,
0.2474

■ 43.7219, 0.4193,
0.5038

■ 51.3830, 0.2631,
0.2474

Harmonies

Analogous

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



46.8365, 0.3298, 0.3436



46.8365, 0.3231, 0.3461



46.8365, 0.3136, 0.3439

Triad

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



46.8365, 0.3231, 0.3461



46.8365, 0.2939, 0.3203



46.8365, 0.3213, 0.3207

Complementary

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



46.8365, 0.3231, 0.3461



40.7328, 0.3020, 0.3113

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.



46.8365, 0.3116, 0.3147



46.8365, 0.3231, 0.3461



46.8365, 0.2958, 0.3144

Square

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



46.8365, 0.3231, 0.3461



46.8365, 0.2969, 0.3288



46.8365, 0.3023, 0.3124



46.8365, 0.3288, 0.3289

Rectangle

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



46.8365, 0.3231, 0.3461



46.8365, 0.3071, 0.3400



46.8365, 0.3023, 0.3124



46.8365, 0.3182, 0.3184

Sweetspot

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



46.8385, 0.3231, 0.3461



84.5258, 0.3156, 0.3338



41.7323, 0.3245, 0.3287



18.6724, 0.3155, 0.3336



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.



46.8385, 0.3231, 0.3461



83.5923, 0.3261, 0.3510



46.1008, 0.3176, 0.3464



10.4981, 0.3264, 0.3515



30.4764, 0.4199, 0.5048



1.0760, 0.4197, 0.5049

Inverse Universe

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



40.7328, 0.3020, 0.3113



69.7417, 0.2987, 0.3060



41.4357, 0.3075, 0.3116



8.7241, 0.2984, 0.3054



2.3963, 0.1501, 0.0603



0.0861, 0.1504, 0.0613

Previews

White Background



This preview shows how the Yxy color 46.8365, 0.3231, 0.3461 looks on a white background.

Color Contrast Check

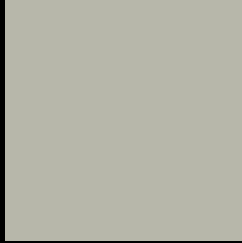
Large Text (above 18pt) WCAG AA × Fail

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 46.8365, 0.3231, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

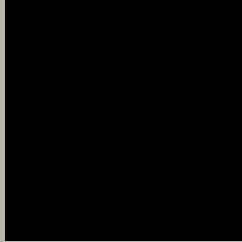
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

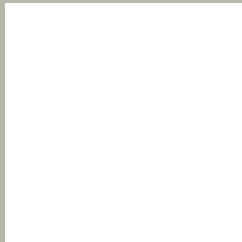
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8365, 0.3231, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 46.8365, 0.3231, 0.3461.



This preview shows how white text looks on a background with the Yxy color 46.8365, 0.3231, 0.3461.

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

46.8365, 0.3231, 0.3461

Protanopia

46.6037, 0.3285, 0.3447

Deuteranopia

46.8283, 0.3421, 0.3353



Tritanopia

46.7000, 0.3077, 0.3100

Trichromacy



Original Color

46.8365, 0.3231, 0.3461

Protanomaly

46.7596, 0.3266, 0.3460

Deuteranomaly

46.9162, 0.3343, 0.3392

Tritanomaly

46.5844, 0.3139, 0.3226

Monochromacy



Original Color

46.8365, 0.3231, 0.3461

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6153, 0.3159, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8365, 0.3231, 0.3461 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(183, 183, 170)` looks like.

```
.text, #text, p{  
    color:rgb(183, 183, 170)  
}
```

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(183, 183, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 183, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.8365, 0.3231, 0.3461 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(183, 183, 170) }
```

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

```
.border{ border-color:rgb(183, 183, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 183, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 183, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 183, 170);  
box-shadow:4px 4px 4px 4px rgb(183, 183,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8365, 0.3231, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 183, 170) }
```

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

```
.background{ background-color: rgb(183,  
183, 170) }
```

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