

Converting Colors

$Yxy(46.5065, 0.3216, 0.3376)$

Have a look what the booklet for
Yxy(46.5065, 0.3216, 0.3376)
contains.

Yxy(46.4572, 0.3210, 0.3368)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4572, 0.3210, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	B9B5AF
RGB	185, 181, 175
RGB Percent	73%, 71%, 69%
CMY	0.2744, 0.2902, 0.3136
CMYK	0.00, 0.02, 0.05, 0.27
HSL	36°, 7%, 71%
HSV	36°, 5%, 73%
XYZ	44.2778, 46.4572, 47.2021
YIQ	181.5120, 4.3100, -1.0180

Conversions

Conversions Part 2

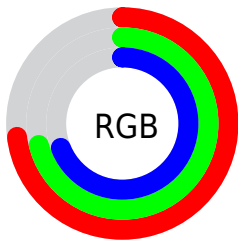
Format	Color
RYB	182, 185, 175
Decimal	12170671
CIELab	73.84, 0.36, 3.53
CIELCh	74, 3.550, 84.257
Yxy	46.4572, 0.3210, 0.3368
Android (android.graphics.Color)	4290360751 (0xFFB9B5AF)
YUV	181.5120, -3.2104, 3.0590
Hunter-Lab	68.1595, -3.3220, 6.6520

Details

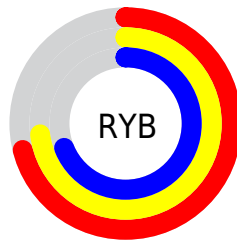
The Yxy color **46.4572, 0.3210, 0.3368** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8896, 0.3046, 0.3211**, and the grayscale version is **46.5204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9823, 0.3198, 0.3361**, and **21.7739, 0.3230, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **42.8212, 0.3377, 0.3518**, and if you desaturate by 10%, it is **50.3602, 0.3061, 0.3226**.

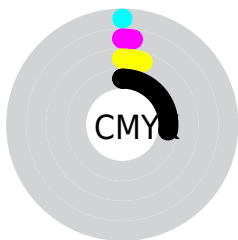
Distribution



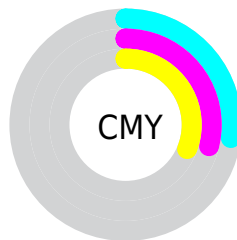
- Red (73%)
- Green (71%)
- Blue (69%)



- Red (71%)
- Yellow (73%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (27%)



- Cyan (27%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4572, 0.3210, 0.3368 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 46.4572, 0.3210, 0.3368 by changing the saturation by 10% instead.

■ 46.4572, 0.3210,
0.3368

■ 46.4572, 0.3210,
0.3368

372.6437, 0.3169,
0.3329

■ 32.6068, 0.3220,
0.3378

■ 84.9028, 0.3195,
0.3354

■ 21.8254, 0.3234,
0.3390

110.2668, 0.3189,
0.3349

■ 13.7286, 0.3252,
0.3407

140.2374, 0.3184,
0.3344

■ 7.9322, 0.3277,
0.3430

175.1990, 0.3180,
0.3340

■ 4.0516, 0.3314,
0.3465

215.5361, 0.3177,
0.3337

■ 1.7025, 0.3377,
0.3524

261.6329, 0.3174,

■ 0.4252, 0.3916,

0.3334

0.4034

313.8740, 0.3171,
0.3331

0.0000, 0.0000,
0.0000

46.4572, 0.3210,
0.3368

46.4572, 0.3210,
0.3368

42.8212, 0.3377,
0.3518

50.3602, 0.3061,
0.3226

39.4395, 0.3563,
0.3674

54.5303, 0.2929,
0.3093

36.3072, 0.3768,
0.3832

58.9756, 0.2813,
0.2971

33.4171, 0.3988,
0.3985

63.7019, 0.2710,
0.2858

30.7614, 0.4219,
0.4124

67.8804, 0.2685,
0.2882

■ 28.3318, 0.4453,
0.4238

■ 71.8560, 0.2694,
0.2968

■ 26.1191, 0.4678,
0.4317

■ 76.0089, 0.2702,
0.3052

■ 24.1131, 0.4882,
0.4349

■ 80.3414, 0.2711,
0.3135

■ 22.3018, 0.5055,
0.4329

■ 84.8556, 0.2719,
0.3217

Harmonies

Analogous

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



46.4572, 0.3225, 0.3339



46.4572, 0.3210, 0.3368



46.4572, 0.3173, 0.3376

Triad

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



46.4572, 0.3210, 0.3368



46.4572, 0.3042, 0.3282



46.4572, 0.3130, 0.3221

Complementary

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



46.4572, 0.3210, 0.3368



44.8896, 0.3046, 0.3211

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.



46.4572, 0.3081, 0.3205



46.4572, 0.3210, 0.3368



46.4572, 0.3031, 0.3240

Square

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



46.4572, 0.3210, 0.3368



46.4572, 0.3076, 0.3327



46.4572, 0.3045, 0.3212



46.4572, 0.3178, 0.3254

Rectangle

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



46.4572, 0.3210, 0.3368



46.4572, 0.3141, 0.3369



46.4572, 0.3045, 0.3212



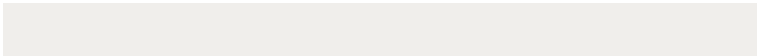
46.4572, 0.3113, 0.3213

Sweetspot

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



46.4592, 0.3210, 0.3368



85.4764, 0.3158, 0.3319



44.2506, 0.3181, 0.3236



18.4428, 0.3156, 0.3317



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.



46.4592, 0.3210, 0.3368



82.7081, 0.3221, 0.3378



48.0258, 0.3199, 0.3420



10.1054, 0.3228, 0.3384



14.7966, 0.5114, 0.4321



0.6397, 0.4818, 0.4557

Inverse Universe

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



44.8896, 0.3046, 0.3211



79.5570, 0.3035, 0.3200



43.3868, 0.3054, 0.3157



9.6928, 0.3028, 0.3194



5.9251, 0.1694, 0.1298



0.3312, 0.1841, 0.1827

Previews

White Background



This preview shows how the Yxy color 46.4572, 0.3210, 0.3368 looks on a white background.

Color Contrast Check

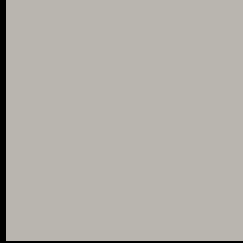
Large Text (above 18pt) WCAG AA × Fail

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 46.4572, 0.3210, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

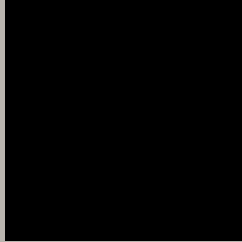
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

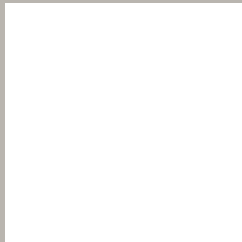
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4572, 0.3210, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 46.4572, 0.3210, 0.3368.



This preview shows how white text looks on a background with the Yxy color 46.4572, 0.3210, 0.3368.

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

46.4572, 0.3210, 0.3368

Protanopia

46.5820, 0.3219, 0.3368

Deuteranopia

46.2120, 0.3352, 0.3278



Tritanopia

46.3379, 0.3101, 0.3112

Trichromacy



Original Color

46.4572, 0.3210, 0.3368

Protanomaly

46.5820, 0.3219, 0.3368

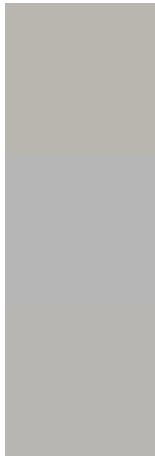
Deuteranomaly

46.1810, 0.3295, 0.3303

Tritanomaly

46.3502, 0.3140, 0.3200

Monochromacy



Original Color

46.4572, 0.3210, 0.3368

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7779, 0.3159, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4572, 0.3210, 0.3368 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(185, 181, 175)` looks like.

```
.text, #text, p{  
    color:rgb(185, 181, 175)  
}
```

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(185, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 181, 175) }
```

Border

The CSS property to change the border of an element to Yxy 46.4572, 0.3210, 0.3368 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(185, 181, 175) }
```

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

```
.border{ border-color:rgb(185, 181, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 181, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 181, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 181, 175); box-shadow:4px 4px 4px 4px rgb(185, 181, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4572, 0.3210, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 181, 175) }
```

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

```
.background{ background-color: rgb(185,  
181, 175) }
```

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