

Converting Colors

$Yxy(46.8002, 0.3222, 0.3357)$

Have a look what the booklet for
Yxy(46.8002, 0.3222, 0.3357)
contains.

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Color

Yxy(46.7471, 0.3219, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	BBB5B0
RGB	187, 181, 176
RGB Percent	73%, 71%, 69%
CMY	0.2667, 0.2902, 0.3098
CMYK	0.00, 0.03, 0.06, 0.27
HSL	27°, 7%, 71%
HSV	27°, 6%, 73%
XYZ	44.8521, 46.7471, 47.7364
YIQ	182.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

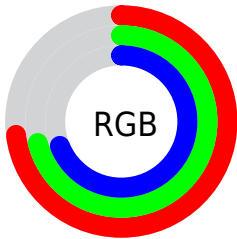
Format	Color
RYB	187, 185, 176
Decimal	12301744
CIELab	74.03, 1.22, 3.28
CIELCh	74, 3.504, 69.622
Yxy	46.7471, 0.3219, 0.3355
Android (android.graphics.Color)	4290491824 (0xFFBBB5B0)
YUV	182.2240, -3.0684, 4.1886
Hunter-Lab	68.3719, -2.5542, 6.4647

Details

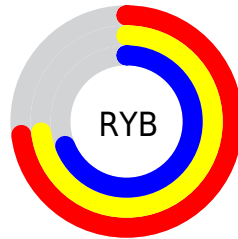
The Yxy color **46.7471, 0.3219, 0.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2695, 0.3038, 0.3224**, and the grayscale version is **46.9228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4493, 0.3198, 0.3341**, and **21.9619, 0.3243, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **42.0673, 0.3394, 0.3471**, and if you desaturate by 10%, it is **51.8357, 0.3067, 0.3246**.

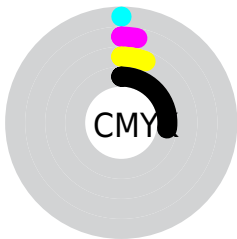
Distribution



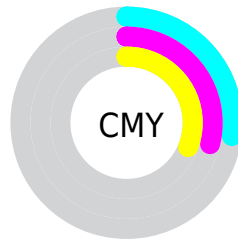
- Red (73%)
- Green (71%)
- Blue (69%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (27%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7471, 0.3219, 0.3355 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 46.7471, 0.3219, 0.3355 by changing the saturation by 10% instead.

 46.7471, 0.3219,
0.3355

 46.7471, 0.3219,
0.3355

373.8042, 0.3173,
0.3323

 32.8358, 0.3231,
0.3363


 85.3360, 0.3202,
0.3343

 22.0007, 0.3245,
0.3373


110.7824, 0.3196,
0.3339

 13.8574, 0.3265,
0.3387


140.8425, 0.3191,
0.3335

 8.0215, 0.3293,
0.3406

175.9009, 0.3186,
0.3332

 4.1087, 0.3334,
0.3435

216.3418, 0.3182,
0.3329

 1.7346, 0.3404,
0.3482

262.5498, 0.3179,

 0.4459, 0.3926,

0.3327

0.3859

314.9091, 0.3176,
0.3325

0.0000, 0.0000,
0.0000

46.7471, 0.3219,
0.3355

46.7471, 0.3219,
0.3355

42.0673, 0.3394,
0.3471

51.8357, 0.3067,
0.3246

37.7797, 0.3595,
0.3593

57.3372, 0.2936,
0.3145

33.8752, 0.3823,
0.3716

63.2633, 0.2822,
0.3052

30.3422, 0.4078,
0.3834

69.6235, 0.2723,
0.2966

27.1684, 0.4355,
0.3941

75.4573, 0.2712,
0.3037

■ 24.3405, 0.4648,
0.4024

■ 81.3559, 0.2723,
0.3150

■ 21.8445, 0.4940,
0.4070

■ 87.5922, 0.2734,
0.3260

■ 19.6646, 0.5213,
0.4069

■ 89.3034, 0.2736,
0.3289

■ 17.7830, 0.5448,
0.4014

Harmonies

Analogous

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



46.7471, 0.3221, 0.3319



46.7471, 0.3219, 0.3355



46.7471, 0.3192, 0.3374

Triad

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



46.7471, 0.3219, 0.3355



46.7471, 0.3057, 0.3304



46.7471, 0.3106, 0.3212

Complementary

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



46.7471, 0.3219, 0.3355



46.2695, 0.3038, 0.3224

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.



46.7471, 0.3062, 0.3207



46.7471, 0.3219, 0.3355



46.7471, 0.3035, 0.3260

Square

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



46.7471, 0.3219, 0.3355



46.7471, 0.3099, 0.3345



46.7471, 0.3036, 0.3225



46.7471, 0.3155, 0.3237

Rectangle

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



46.7471, 0.3219, 0.3355



46.7471, 0.3164, 0.3374



46.7471, 0.3036, 0.3225



46.7471, 0.3090, 0.3208

Sweetspot

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



46.7491, 0.3219, 0.3355



87.1511, 0.3158, 0.3312



44.9962, 0.3174, 0.3212



19.2127, 0.3156, 0.3311



95.5105, 0.3127, 0.3290



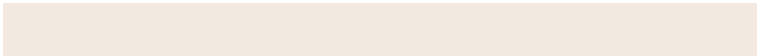
19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7491, 0.3219, 0.3355



82.6595, 0.3239, 0.3369



49.0018, 0.3213, 0.3424



10.4358, 0.3246, 0.3373



11.9126, 0.5519, 0.4000



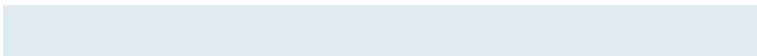
0.5974, 0.5122, 0.4315

Inverse Universe

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



46.2695, 0.3038, 0.3224



81.6275, 0.3019, 0.3210



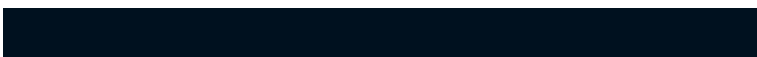
44.0875, 0.3039, 0.3152



10.2985, 0.3013, 0.3205



9.1453, 0.1819, 0.1748



0.4875, 0.1931, 0.2152

Previews

White Background



This preview shows how the Yxy color 46.7471, 0.3219, 0.3355 looks on a white background.

Color Contrast Check

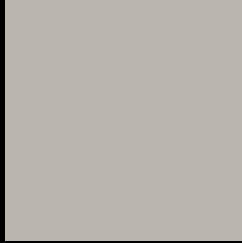
Large Text (above 18pt) WCAG AA × Fail

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 46.7471, 0.3219, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

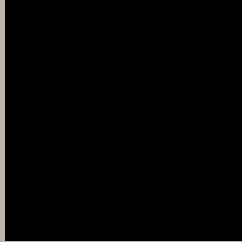
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

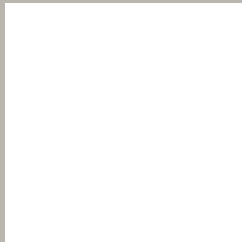
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7471, 0.3219, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 46.7471, 0.3219, 0.3355.



This preview shows how white text looks on a background with the Yxy color 46.7471, 0.3219, 0.3355.

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

46.7471, 0.3219, 0.3355

Protanopia

46.7471, 0.3219, 0.3355

Deuteranopia

46.6425, 0.3342, 0.3278



Tritanopia

46.5099, 0.3102, 0.3100

Trichromacy



Original Color

46.7471, 0.3219, 0.3355

Protanomaly

46.7471, 0.3219, 0.3355

Deuteranomaly

46.7509, 0.3294, 0.3303

Tritanomaly

46.5194, 0.3141, 0.3188

Monochromacy



Original Color

46.7471, 0.3219, 0.3355

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9415, 0.3160, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7471, 0.3219, 0.3355 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, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 176)  
}
```

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, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 176) }
```

Border

The CSS property to change the border of an element to Yxy 46.7471, 0.3219, 0.3355 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, 181, 176) }
```

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

```
.border{ border-color:rgb(187, 181, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 181, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 181, 176); box-shadow:4px 4px 4px 4px rgb(187, 181, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7471, 0.3219, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 176) }
```

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

```
.background{ background-color: rgb(187,  
181, 176) }
```

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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