

Converting Colors

$Yxy(46.4633, 0.3222, 0.3346)$

Have a look what the booklet for
Yxy(46.4633, 0.3222, 0.3346)
contains.

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Color

Yxy(46.3419, 0.3220, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	BBB4B0
RGB	187, 180, 176
RGB Percent	73%, 71%, 69%
CMY	0.2667, 0.2941, 0.3097
CMYK	0.00, 0.04, 0.06, 0.27
HSL	22°, 7%, 71%
HSV	22°, 6%, 73%
XYZ	44.6502, 46.3419, 47.6731
YIQ	181.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

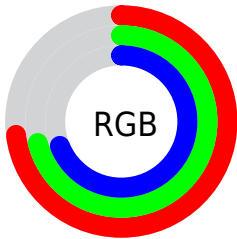
Format	Color
RYB	187, 182, 176
Decimal	12301488
CIELab	73.77, 1.76, 2.90
CIELCh	74, 3.394, 58.772
Yxy	46.3419, 0.3220, 0.3342
Android (android.graphics.Color)	4290491568 (0xFFBBB4B0)
YUV	181.6370, -2.7790, 4.7034
Hunter-Lab	68.0749, -2.0532, 6.1314




Details

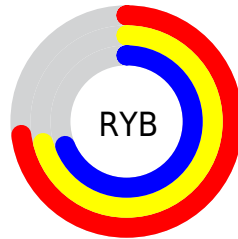
The Yxy color **46.3419, 0.3220, 0.3342** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6852, 0.3038, 0.3237**, and the grayscale version is **46.5853, 0.3127, 0.3290**.




A 20% lighter version of the original color is **84.8718, 0.3199, 0.3331**, and **21.7023, 0.3244, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **41.0543, 0.3400, 0.3435**, and if you desaturate by 10%, it is **52.1478, 0.3067, 0.3255**.

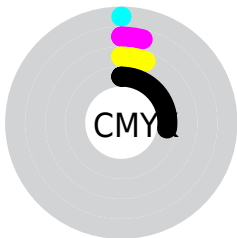
Distribution







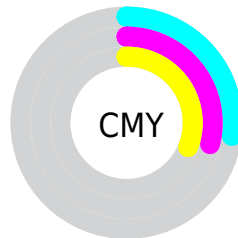
-  Red (73%)
-  Green (71%)
-  Blue (69%)






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



-  Cyan (0%)
-  Magenta (4%)
-  Yellow (6%)
-  Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3419, 0.3220, 0.3342 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 46.3419, 0.3220, 0.3342 by changing the saturation by 10% instead.


 46.3419, 0.3220,
0.3342

 46.3419, 0.3220,
0.3342

372.1815, 0.3173,
0.3316

 32.5157, 0.3232,
0.3348


 84.7304, 0.3203,
0.3333

 21.7557, 0.3247,
0.3357


110.0616, 0.3197,
0.3329

 13.6775, 0.3267,
0.3368


139.9965, 0.3191,
0.3326

 7.8967, 0.3295,
0.3383

174.9196, 0.3187,
0.3324

 4.0289, 0.3338,
0.3406

215.2152, 0.3183,
0.3321

 1.6898, 0.3409,
0.3443

261.2678, 0.3179,

 0.4170, 0.3967,

0.3319

0.3765

313.4618, 0.3176,
0.3318

0.0000, 0.0000,
0.0000

46.3419, 0.3220,
0.3342

46.3419, 0.3220,
0.3342

41.0543, 0.3400,
0.3435

52.1478, 0.3067,
0.3255

36.2646, 0.3609,
0.3533

58.4799, 0.2936,
0.3174

31.9596, 0.3853,
0.3633

65.3535, 0.2825,
0.3100

28.1234, 0.4130,
0.3728

72.7813, 0.2729,
0.3033

24.7391, 0.4440,
0.3812

79.8057, 0.2720,
0.3121

■ 21.7886, 0.4772,
0.3874

■ 87.0221, 0.2733,
0.3250

■ 19.2527, 0.5110,
0.3901

■ 89.3034, 0.2736,
0.3289

■ 17.1100, 0.5427,
0.3882

■ 15.3364, 0.5696,
0.3813

Harmonies

Analogous

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



46.3419, 0.3213, 0.3303



46.3419, 0.3220, 0.3342



46.3419, 0.3202, 0.3367

Triad

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



46.3419, 0.3220, 0.3342



46.3419, 0.3072, 0.3319



46.3419, 0.3090, 0.3210

Complementary

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



46.3419, 0.3220, 0.3342



46.6852, 0.3038, 0.3237

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.



46.3419, 0.3053, 0.3213



46.3419, 0.3220, 0.3342



46.3419, 0.3043, 0.3276

Square

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



46.3419, 0.3220, 0.3342



46.3419, 0.3117, 0.3354



46.3419, 0.3035, 0.3238



46.3419, 0.3137, 0.3227

Rectangle

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



46.3419, 0.3220, 0.3342



46.3419, 0.3179, 0.3373



46.3419, 0.3035, 0.3238



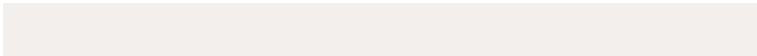
46.3419, 0.3076, 0.3209

Sweetspot

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



46.3439, 0.3220, 0.3342



86.8907, 0.3158, 0.3308



45.0451, 0.3165, 0.3198



19.1582, 0.3157, 0.3307



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.



46.3439, 0.3220, 0.3342



81.7838, 0.3241, 0.3353



48.5402, 0.3214, 0.3410



10.3193, 0.3247, 0.3357



10.2560, 0.5776, 0.3795



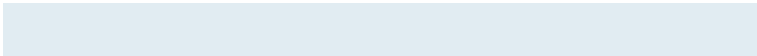
0.5275, 0.5317, 0.4160

Inverse Universe

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



46.6852, 0.3038, 0.3237



82.5185, 0.3019, 0.3226



44.5254, 0.3039, 0.3167



10.4171, 0.3013, 0.3222



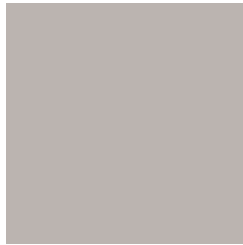
11.7004, 0.1908, 0.2068



0.5786, 0.1999, 0.2394

Previews

White Background



This preview shows how the Yxy color 46.3419, 0.3220, 0.3342 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 46.3419, 0.3220, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

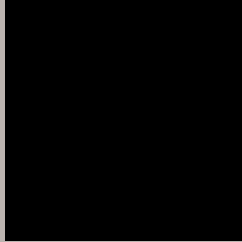
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

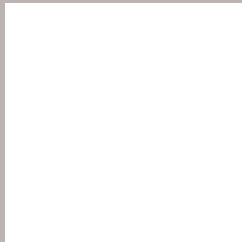
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3419, 0.3220, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 46.3419, 0.3220, 0.3342.

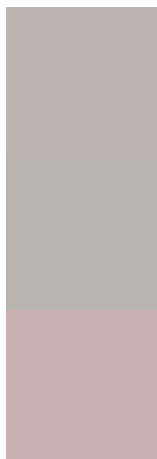


This preview shows how white text looks on a background with the Yxy color 46.3419, 0.3220, 0.3342.

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

46.3419, 0.3220, 0.3342

Protanopia

46.2162, 0.3211, 0.3342

Deuteranopia

46.1136, 0.3334, 0.3266



Tritanopia

46.4654, 0.3110, 0.3113

Trichromacy



Original Color

46.3419, 0.3220, 0.3342

Protanomaly

46.2162, 0.3211, 0.3342

Deuteranomaly

46.2207, 0.3286, 0.3290

Tritanomaly

46.4767, 0.3149, 0.3201

Monochromacy



Original Color

46.3419, 0.3220, 0.3342

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5334, 0.3161, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3419, 0.3220, 0.3342 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 180, 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, 180, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 180, 176) }
```

Border

The CSS property to change the border of an element to Yxy 46.3419, 0.3220, 0.3342 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, 176) }
```

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

```
.border{ border-color:rgb(187, 180, 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, 180, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 180, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 180, 176);  
box-shadow:4px 4px 4px 4px rgb(187, 180,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3419, 0.3220, 0.3342 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, 176) }
```

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

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