

Converting Colors

$Yxy(46.7039, 0.3210, 0.3328)$

Have a look what the booklet for
Yxy(46.7039, 0.3210, 0.3328)
contains.

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Color

Yxy(46.8269, 0.3203, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	BBB5B2
RGB	187, 181, 178
RGB Percent	73%, 71%, 70%
CMY	0.2666, 0.2902, 0.3020
CMYK	0.00, 0.03, 0.05, 0.27
HSL	20°, 6%, 72%
HSV	20°, 5%, 73%
XYZ	45.0545, 46.8269, 48.7821
YIQ	182.4520, 4.5390, 0.3390

Conversions

Conversions Part 2

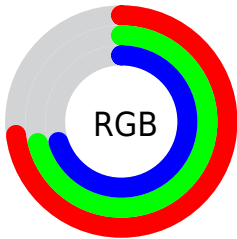
Format	Color
RYB	187, 183, 178
Decimal	12301746
CIELab	74.08, 1.58, 2.27
CIELCh	74, 2.769, 55.107
Yxy	46.8269, 0.3203, 0.3329
Android (android.graphics.Color)	4290491826 (0xFFBBB5B2)
YUV	182.4520, -2.1948, 3.9886
Hunter-Lab	68.4302, -2.2281, 5.6348

Details

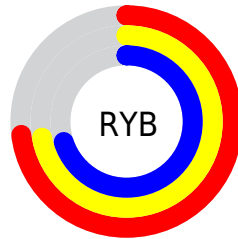
The Yxy color **46.8269, 0.3203, 0.3329** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.3365, 0.3054, 0.3251**, and the grayscale version is **47.0503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5636, 0.3186, 0.3320**, and **21.9873, 0.3232, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **41.2827, 0.3381, 0.3414**, and if you desaturate by 10%, it is **52.9313, 0.3052, 0.3250**.

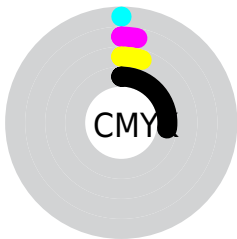
Distribution



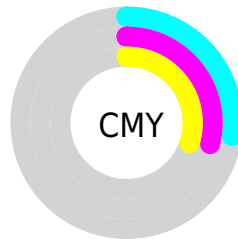
- Red (73%)
- Green (71%)
- Blue (70%)



- Red (73%)
- Yellow (72%)
- Blue (70%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (27%)





- Cyan (27%)
- Magenta (29%)
- Yellow (30%)
- Black (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8269, 0.3203, 0.3329 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 46.8269, 0.3203, 0.3329 by changing the saturation by 10% instead.


 46.8269, 0.3203,
0.3329

 46.8269, 0.3203,
0.3329


374.1232, 0.3165,
0.3310

 32.8988, 0.3212,
0.3334


 85.4552, 0.3189,
0.3322

 22.0490, 0.3225,
0.3340


110.9242, 0.3184,
0.3319

 13.8929, 0.3241,
0.3348


141.0090, 0.3180,
0.3317

 8.0462, 0.3264,
0.3359

176.0939, 0.3176,
0.3315

 4.1245, 0.3298,
0.3376

216.5634, 0.3173,
0.3314

 1.7435, 0.3355,
0.3404

262.8018, 0.3170,

 0.4516, 0.3736,

0.3312

0.3606

315.1936, 0.3167,
0.3311

0.0000, 0.0000,
0.0000

46.8269, 0.3203,
0.3329

46.8269, 0.3203,
0.3329

41.2827, 0.3381,
0.3414

52.9313, 0.3052,
0.3250

36.2767, 0.3590,
0.3504

59.6051, 0.2924,
0.3176

31.7942, 0.3835,
0.3595

66.8650, 0.2815,
0.3109

27.8175, 0.4117,
0.3683

74.7252, 0.2722,
0.3048

24.3280, 0.4433,
0.3762

82.0902, 0.2724,
0.3163

■ 21.3059, 0.4777,
0.3819

■ 89.3059, 0.2736,
0.3289

■ 18.7296, 0.5130,
0.3845

■ 16.5758, 0.5464,
0.3826

■ 14.8184, 0.5748,
0.3758

Harmonies

Analogous

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



46.8269, 0.3195, 0.3297



46.8269, 0.3203, 0.3329



46.8269, 0.3191, 0.3351

Triad

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



46.8269, 0.3203, 0.3329



46.8269, 0.3087, 0.3318



46.8269, 0.3092, 0.3224

Complementary

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



46.8269, 0.3203, 0.3329



47.3365, 0.3054, 0.3251

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.



46.8269, 0.3064, 0.3229



46.8269, 0.3203, 0.3329



46.8269, 0.3060, 0.3283

Square

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



46.8269, 0.3203, 0.3329



46.8269, 0.3124, 0.3345



46.8269, 0.3052, 0.3251



46.8269, 0.3131, 0.3237

Rectangle

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



46.8269, 0.3203, 0.3329



46.8269, 0.3173, 0.3357



46.8269, 0.3052, 0.3251



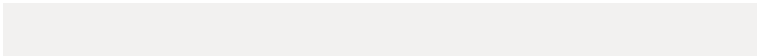
46.8269, 0.3081, 0.3224

Sweetspot

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



46.8289, 0.3203, 0.3329



87.8972, 0.3143, 0.3298



45.8736, 0.3156, 0.3211



19.3688, 0.3142, 0.3298



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.



46.8289, 0.3203, 0.3329



82.5361, 0.3224, 0.3340



48.6278, 0.3199, 0.3385



10.4020, 0.3232, 0.3343



9.7981, 0.5857, 0.3731



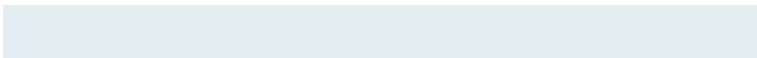
0.5066, 0.5383, 0.4108

Inverse Universe

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



47.3365, 0.3054, 0.3251



83.6764, 0.3034, 0.3240



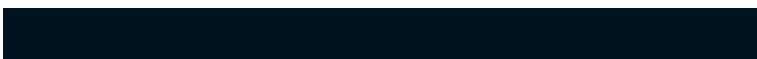
45.5548, 0.3055, 0.3193



10.5568, 0.3028, 0.3236



12.6570, 0.1938, 0.2176



0.6114, 0.2021, 0.2474

Previews

White Background



This preview shows how the Yxy color 46.8269, 0.3203, 0.3329 looks on a white background.

Color Contrast Check

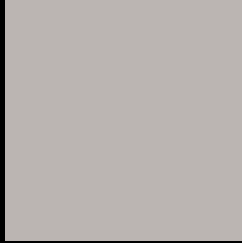
Large Text (above 18pt) WCAG AA × Fail

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 46.8269, 0.3203, 0.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

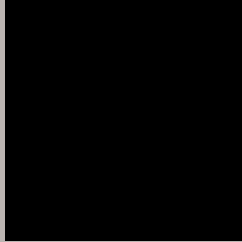
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

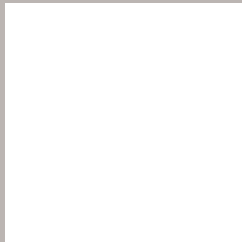
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8269, 0.3203, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 46.8269, 0.3203, 0.3329.



This preview shows how white text looks on a background with the Yxy color 46.8269, 0.3203, 0.3329.

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

46.8269, 0.3203, 0.3329

Protanopia

46.7012, 0.3194, 0.3329

Deuteranopia

46.7228, 0.3325, 0.3253



Tritanopia

46.9093, 0.3101, 0.3113

Trichromacy



Original Color

46.8269, 0.3203, 0.3329

Protanomaly

46.7012, 0.3194, 0.3329

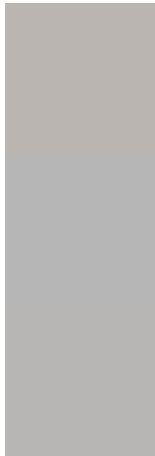
Deuteranomaly

46.8312, 0.3277, 0.3278

Tritanomaly

46.9647, 0.3132, 0.3188

Monochromacy



Original Color

46.8269, 0.3203, 0.3329

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9824, 0.3152, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8269, 0.3203, 0.3329 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 178) }
```

Border

The CSS property to change the border of an element to Yxy 46.8269, 0.3203, 0.3329 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, 178) }
```

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

```
.border{ border-color:rgb(187, 181, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 181, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 181, 178); box-shadow:4px 4px 4px 4px rgb(187, 181, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8269, 0.3203, 0.3329 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, 178) }
```

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

```
.background{ background-color: rgb(187,  
181, 178) }
```

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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