

Converting Colors

$Yxy(46.7077, 0.3227, 0.3368)$

Have a look what the booklet for
Yxy(46.7077, 0.3227, 0.3368)
contains.

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Color

Yxy(46.7077, 0.3227, 0.3368)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BBB5AF |
| RGB | 187, 181, 175 |
| RGB Percent | 73%, 71%, 69% |
| CMY | 0.2667, 0.2902, 0.3137 |
| CMYK | 0.00, 0.03, 0.06, 0.27 |
| HSL | 30°, 8%, 71% |
| HSV | 30°, 6%, 73% |
| XYZ | 44.7523, 46.7077, 47.2208 |
| YIQ | 182.1100, 5.5020, -0.5940 |

Conversions

Conversions Part 2

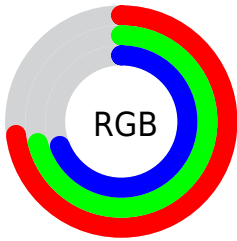
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 187, 187, 175 |
| Decimal | 12301743 |
| CIELab | 74.00, 1.04, 3.79 |
| CIELCh | 74, 3.930, 74.653 |
| Yxy | 46.7077, 0.3227, 0.3368 |
| Android (android.graphics.Color) | 4290491823 (0xFFBBB5AF) |
| YUV | 182.1100, -3.5052, 4.2885 |
| Hunter-Lab | 68.3430, -2.7152, 6.8744 |

Details

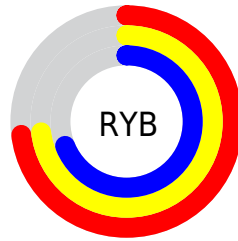
The Yxy color $46.7077, 0.3227, 0.3368$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $45.7434, 0.3030, 0.3211$, and the grayscale version is $46.8593, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3362, 0.3211, 0.3361$, and $21.9367, 0.3254, 0.3379$ is the 20% darker color. If you saturate the color by 10%, you get $42.3574, 0.3401, 0.3496$, and if you desaturate by 10%, it is $51.4178, 0.3075, 0.3248$.

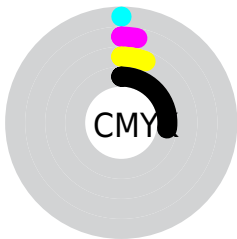
Distribution



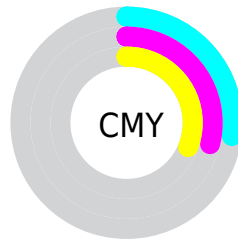
- Red (73%)
- Green (71%)
- Blue (69%)



- 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 46.7077, 0.3227, 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 46.7077, 0.3227, 0.3368 by changing the saturation by 10% instead.

■ 46.7077, 0.3227,
0.3368

■ 46.7077, 0.3227,
0.3368

373.6466, 0.3177,
0.3329

■ 32.8046, 0.3240,
0.3378

■ 85.2771, 0.3209,
0.3354

■ 21.9768, 0.3256,
0.3390

110.7123, 0.3202,
0.3349

■ 13.8399, 0.3277,
0.3407

140.7603, 0.3196,
0.3344

■ 8.0094, 0.3307,
0.3430

175.8056, 0.3191,
0.3340

■ 4.1010, 0.3352,
0.3464

216.2324, 0.3187,
0.3337

■ 1.7302, 0.3428,
0.3521

262.4253, 0.3183,

■ 0.4431, 0.4033,

0.3334

0.4002

314.7685, 0.3180,
0.3331

0.0000, 0.0000,
0.0000

46.7077, 0.3227,
0.3368

46.7077, 0.3227,
0.3368

42.3574, 0.3401,
0.3496

51.4178, 0.3075,
0.3248

38.3518, 0.3599,
0.3629

56.4903, 0.2942,
0.3136

34.6833, 0.3820,
0.3763

61.9356, 0.2826,
0.3032

31.3419, 0.4065,
0.3893

67.7619, 0.2725,
0.2937

28.3170, 0.4328,
0.4009

73.0763, 0.2707,
0.2989

■ 25.5972, 0.4601,
0.4101

■ 78.3374, 0.2717,
0.3093

■ 23.1702, 0.4870,
0.4155

■ 83.8795, 0.2727,
0.3196

■ 21.0223, 0.5119,
0.4161

■ 89.3022, 0.2736,
0.3289

■ 19.1373, 0.5332,
0.4114

Harmonies

Analogous

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



46.7077, 0.3234, 0.3330



46.7077, 0.3227, 0.3368



46.7077, 0.3193, 0.3385

Triad

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



46.7077, 0.3227, 0.3368



46.7077, 0.3043, 0.3297



46.7077, 0.3112, 0.3205

Complementary

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



46.7077, 0.3227, 0.3368



45.7434, 0.3030, 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.



46.7077, 0.3061, 0.3196



46.7077, 0.3227, 0.3368



46.7077, 0.3022, 0.3249

Square

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



46.7077, 0.3227, 0.3368



46.7077, 0.3087, 0.3345



46.7077, 0.3028, 0.3212



46.7077, 0.3168, 0.3237

Rectangle

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



46.7077, 0.3227, 0.3368



46.7077, 0.3160, 0.3383



46.7077, 0.3028, 0.3212



46.7077, 0.3094, 0.3200

Sweetspot

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



46.7097, 0.3227, 0.3368



87.2815, 0.3158, 0.3314



44.5637, 0.3184, 0.3213



19.2400, 0.3156, 0.3313



95.5105, 0.3127, 0.3290



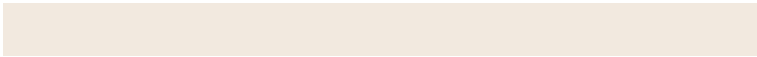
19.5994, 0.3127, 0.3290

Same Dimension

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



46.7097, 0.3227, 0.3368



82.2836, 0.3255, 0.3390



49.1897, 0.3220, 0.3444



10.3050, 0.3276, 0.3405



12.9042, 0.5387, 0.4105



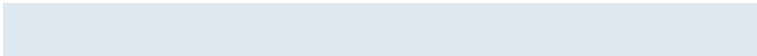
0.6363, 0.5027, 0.4390

Inverse Universe

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



45.7434, 0.3030, 0.3211



80.1098, 0.3003, 0.3188



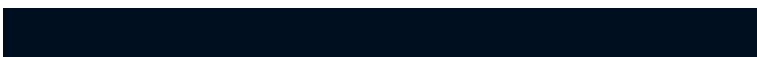
43.3680, 0.3031, 0.3131



9.9905, 0.2984, 0.3172



8.0455, 0.1776, 0.1594



0.4460, 0.1898, 0.2031

Previews

White Background



This preview shows how the Yxy color 46.7077, 0.3227, 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 46.7077, 0.3227, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

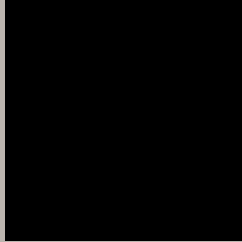
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

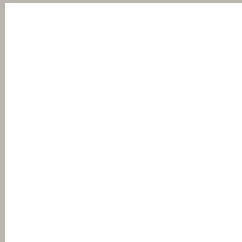
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7077, 0.3227, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 46.7077, 0.3227, 0.3368.

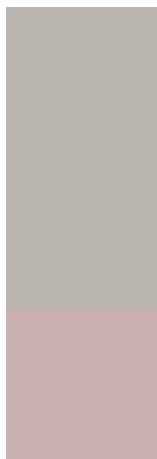


This preview shows how white text looks on a background with the Yxy color 46.7077, 0.3227, 0.3368.

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

46.7077, 0.3227, 0.3368

Protanopia

46.7077, 0.3227, 0.3368

Deuteranopia

46.7418, 0.3359, 0.3291



Tritanopia

46.5937, 0.3118, 0.3113

Trichromacy



Original Color

46.7077, 0.3227, 0.3368

Protanomaly

46.7077, 0.3227, 0.3368

Deuteranomaly

46.8457, 0.3311, 0.3316

Tritanomaly

46.6042, 0.3157, 0.3201

Monochromacy



Original Color

46.7077, 0.3227, 0.3368

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9009, 0.3168, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7077, 0.3227, 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(187, 181, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 175) }
```

Border

The CSS property to change the border of an element to Yxy 46.7077, 0.3227, 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(187, 181, 175) }
```

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

```
.border{ border-color:rgb(187, 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(187, 181, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7077, 0.3227, 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(187, 181, 175) }
```

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

```
.background{ background-color: rgb(187,  
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](#).

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