

Converting Colors

Yxy(46.9807, 0.3123, 0.3424)

Have a look what the booklet for
Yxy(46.9807, 0.3123, 0.3424)
contains.

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Color

Yxy(46.9070, 0.3121, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	AFB9AF
RGB	175, 185, 175
RGB Percent	69%, 73%, 69%
CMY	0.3137, 0.2745, 0.3137
CMYK	0.05, 0.00, 0.05, 0.27
HSL	120°, 7%, 71%
HSV	120°, 5%, 73%
XYZ	42.7686, 46.9070, 47.3592
YIQ	180.8700, -2.7500, -5.2300

Conversions

Conversions Part 2

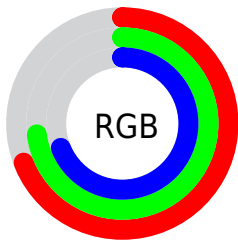
Format	Color
RYB	175, 185, 185
Decimal	11516335
CIELab	74.13, -5.35, 3.86
CIELCh	74, 6.595, 144.149
Yxy	46.9070, 0.3121, 0.3423
Android (android.graphics.Color)	4289706415 (0xFFAFB9AF)
YUV	180.8700, -2.8939, -5.1480
Hunter-Lab	68.4887, -8.3888, 6.9437

Details

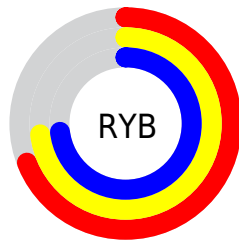
The Yxy color **46.9070, 0.3121, 0.3423** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4779, 0.3133, 0.3160**, and the grayscale version is **46.1537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6127, 0.3128, 0.3403**, and **22.1435, 0.3119, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **44.2366, 0.3108, 0.3696**, and if you desaturate by 10%, it is **49.9738, 0.3132, 0.3185**.

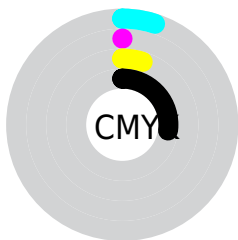
Distribution



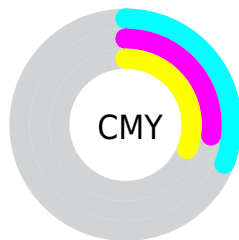
- Red (69%)
- Green (73%)
- Blue (69%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9070, 0.3121, 0.3423 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 46.9070, 0.3121, 0.3423 by changing the saturation by 10% instead.

■ 46.9070, 0.3121,
0.3423

■ 46.9070, 0.3121,
0.3423

374.4432, 0.3124,
0.3356

■ 32.9621, 0.3120,
0.3440

■ 85.5748, 0.3122,
0.3399

■ 22.0974, 0.3119,
0.3462

111.0665, 0.3123,
0.3389

■ 13.9285, 0.3117,
0.3491

141.1760, 0.3123,
0.3382

■ 8.0710, 0.3114,
0.3532

176.2876, 0.3123,
0.3375

■ 4.1404, 0.3110,
0.3595

216.7857, 0.3124,
0.3369

■ 1.7524, 0.3102,
0.3702

263.0547, 0.3124,


■ 0.4572, 0.3074,

0.3364

0.4623

315.4791, 0.3124,
0.3360


 0.0000, 0.0000,
0.0000


 46.9070, 0.3121,
0.3423

 46.9070, 0.3121,
0.3423


 44.2366, 0.3108,
0.3696


 49.9738, 0.3132,
0.3185


 41.9406, 0.3094,
0.4002


 53.4458, 0.3142,
0.2978


 40.0043, 0.3078,
0.4337

 57.3392, 0.3150,
0.2801

 38.4093, 0.3062,
0.4690

 61.6675, 0.3157,
0.2649

 37.1359, 0.3045,
0.5044

 63.1780, 0.3159,
0.2604

■ 36.1622, 0.3030,
0.5372

■ 35.4638, 0.3017,
0.5648

■ 35.0123, 0.3007,
0.5849

■ 34.7726, 0.3002,
0.5963

Harmonies

Analogous

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



46.9070, 0.3212, 0.3451



46.9070, 0.3121, 0.3423



46.9070, 0.3033, 0.3358

Triad

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



46.9070, 0.3121, 0.3423



46.9070, 0.2975, 0.3146



46.9070, 0.3287, 0.3302

Complementary

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



46.9070, 0.3121, 0.3423



44.4779, 0.3133, 0.3160

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.



46.9070, 0.3221, 0.3223



46.9070, 0.3121, 0.3423



46.9070, 0.3041, 0.3134

Square

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



46.9070, 0.3121, 0.3423



46.9070, 0.2949, 0.3197



46.9070, 0.3131, 0.3162



46.9070, 0.3308, 0.3379

Rectangle

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



46.9070, 0.3121, 0.3423



46.9070, 0.2987, 0.3303



46.9070, 0.3131, 0.3162



46.9070, 0.3269, 0.3275

Sweetspot

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



46.9090, 0.3121, 0.3423



85.7834, 0.3125, 0.3339



48.0380, 0.3206, 0.3418



18.5054, 0.3125, 0.3336



93.3107, 0.3127, 0.3290



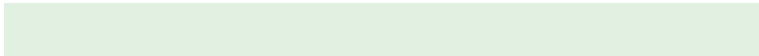
18.7317, 0.3127, 0.3290

Same Dimension

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



46.9090, 0.3121, 0.3423



83.6582, 0.3120, 0.3441



47.1012, 0.3084, 0.3358



10.2307, 0.3120, 0.3452



23.6271, 0.3000, 0.6000



0.8331, 0.3001, 0.5999

Inverse Universe

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



44.4779, 0.3133, 0.3160



78.7664, 0.3134, 0.3144



44.2785, 0.3173, 0.3223



9.5900, 0.3134, 0.3133



9.3936, 0.3207, 0.1540



0.3313, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 46.9070, 0.3121, 0.3423 looks on a white background.

Color Contrast Check

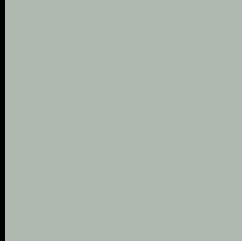
Large Text (above 18pt) WCAG AA × Fail

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 46.9070, 0.3121, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

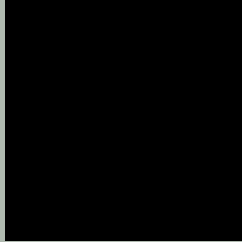
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

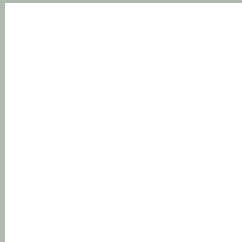
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9070, 0.3121, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 46.9070, 0.3121, 0.3423.



This preview shows how white text looks on a background with the Yxy color 46.9070, 0.3121, 0.3423.

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

46.9070, 0.3121, 0.3423

Protanopia

46.6297, 0.3244, 0.3394

Deuteranopia

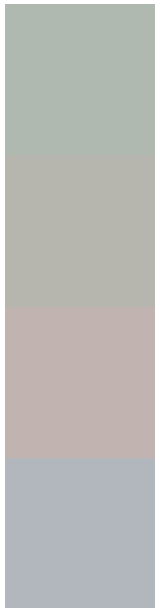
46.7815, 0.3351, 0.3278



Tritanopia

46.9064, 0.2986, 0.3109

Trichromacy



Original Color

46.9070, 0.3121, 0.3423

Protanomaly

46.5792, 0.3200, 0.3395

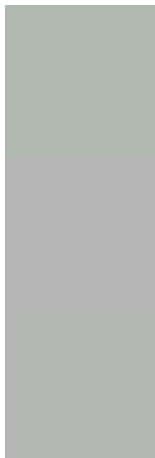
Deuteranomaly

46.5813, 0.3265, 0.3329

Tritanomaly

46.8449, 0.3038, 0.3224

Monochromacy



Original Color

46.9070, 0.3121, 0.3423

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2943, 0.3125, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9070, 0.3121, 0.3423 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(175, 185, 175)` looks like.

```
.text, #text, p{  
    color:rgb(175, 185, 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(175, 185, 175) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 46.9070, 0.3121, 0.3423 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(175, 185, 175) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 46.9070, 0.3121, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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