

Converting Colors

$Yxy(46.7422, 0.3174, 0.3044)$

Have a look what the booklet for
Yxy(46.7422, 0.3174, 0.3044)
contains.

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Color

Yxy(46.7422, 0.3174, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	C7AFC3
RGB	199, 175, 195
RGB Percent	78%, 69%, 76%
CMY	0.2195, 0.3137, 0.2353
CMYK	0.00, 0.12, 0.02, 0.22
HSL	310°, 18%, 73%
HSV	310°, 12%, 78%
XYZ	48.7384, 46.7422, 58.0746
YIQ	184.4560, 7.8840, 11.3080

Conversions

Conversions Part 2

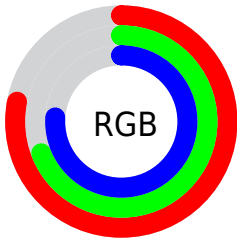
Format	Color
R _Y B	199, 175, 195
Decimal	13086659
CIE Lab	74.02, 12.17, -6.98
CIE LCh	74, 14.027, 330.155
Yxy	46.7422, 0.3174, 0.3044
Android (android.graphics.Color)	4291276739 (0xFFC7AFC3)
YUV	184.4560, 5.1982, 12.7551
Hunter-Lab	68.3683, 7.6047, -2.5054

Details

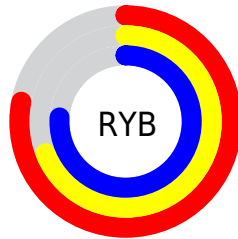
The Yxy color $46.7422, 0.3174, 0.3044$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.2317, 0.3084, 0.3549$, and the grayscale version is $48.1680, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.4401, 0.3157, 0.3087$, and $22.1087, 0.3189, 0.2992$ is the 20% darker color. If you saturate the color by 10%, you get $39.4096, 0.3219, 0.2833$, and if you desaturate by 10%, it is $55.2241, 0.3135, 0.3249$.

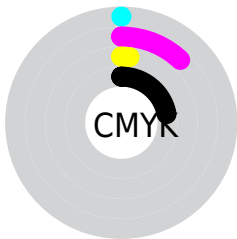
Distribution



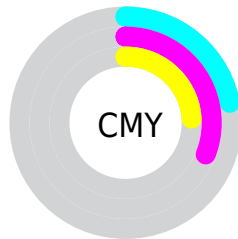
- Red (78%)
- Green (69%)
- Blue (76%)



- Red (78%)
- Yellow (69%)
- Blue (76%)



- Cyan (0%)
- Magenta (12%)
- Yellow (2%)
- Black (22%)




- Cyan (22%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7422, 0.3174, 0.3044 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 46.7422, 0.3174, 0.3044 by changing the saturation by 10% instead.

 46.7422, 0.3174,
0.3044

 46.7422, 0.3174,
0.3044


373.7846, 0.3152,
0.3165

 32.8319, 0.3179,
0.3015


 85.3287, 0.3166,
0.3087

 21.9977, 0.3186,
0.2977


110.7737, 0.3163,
0.3104

 13.8552, 0.3194,
0.2928


140.8323, 0.3161,
0.3118

 8.0200, 0.3206,
0.2861

175.8890, 0.3158,
0.3130

 4.1078, 0.3221,
0.2763

216.3282, 0.3156,
0.3140

 1.7340, 0.3244,
0.2607

262.5343, 0.3155,

 0.4455, 0.3368,

0.3149

0.2083

314.8916, 0.3153,
0.3157

0.0000, 0.0000,
0.0000

46.7422, 0.3174,
0.3044

46.7422, 0.3174,
0.3044

39.4096, 0.3219,
0.2833

55.2241, 0.3135,
0.3249

33.1705, 0.3270,
0.2622

64.8961, 0.3101,
0.3443

27.9734, 0.3326,
0.2418

75.8041, 0.3072,
0.3626

23.7603, 0.3387,
0.2230

87.9902, 0.3047,
0.3796

20.4678, 0.3450,
0.2067

88.4068, 0.3029,
0.3762

■ 18.0246, 0.3516,
0.1939

■ 88.5774, 0.3010,
0.3724

■ 16.3493, 0.3580,
0.1853

■ 88.7515, 0.2992,
0.3686

■ 15.3444, 0.3642,
0.1813

■ 88.9292, 0.2974,
0.3649

■ 14.8826, 0.3689,
0.1806

■ 89.1104, 0.2956,
0.3612

Harmonies

Analogous

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



46.7422, 0.2979, 0.2969



46.7422, 0.3174, 0.3044



46.7422, 0.3362, 0.3179

Triad

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



46.7422, 0.3174, 0.3044



46.7422, 0.3431, 0.3611



46.7422, 0.2780, 0.3217

Complementary

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



46.7422, 0.3174, 0.3044



53.2317, 0.3084, 0.3549

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.



46.7422, 0.2894, 0.3401



46.7422, 0.3174, 0.3044



46.7422, 0.3268, 0.3633

Square

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



46.7422, 0.3174, 0.3044



46.7422, 0.3512, 0.3503



46.7422, 0.3072, 0.3556



46.7422, 0.2756, 0.3062

Rectangle

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



46.7422, 0.3174, 0.3044



46.7422, 0.3455, 0.3289



46.7422, 0.3072, 0.3556



46.7422, 0.2809, 0.3278

Sweetspot

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



46.7442, 0.3174, 0.3044



93.5538, 0.3142, 0.3209



44.3670, 0.2971, 0.2980



19.7731, 0.3145, 0.3193



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.7442, 0.3174, 0.3044



78.9187, 0.3183, 0.3000



46.2239, 0.3274, 0.3190



10.7848, 0.3163, 0.3100



9.5776, 0.3682, 0.1802



0.4619, 0.3567, 0.1739

Inverse Universe

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



46.7442, 0.3174, 0.3044



78.9187, 0.3183, 0.3000



53.7379, 0.2999, 0.3392



10.7848, 0.3163, 0.3100



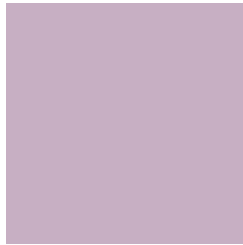
9.5776, 0.3682, 0.1802



0.4619, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 46.7422, 0.3174, 0.3044 looks on a white background.

Color Contrast Check

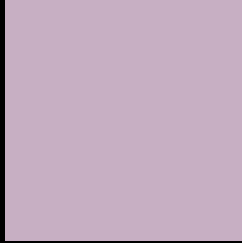
Large Text (above 18pt) WCAG AA × Fail

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 46.7422, 0.3174, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

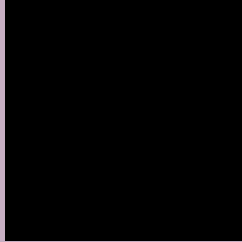
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7422, 0.3174, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 46.7422, 0.3174, 0.3044.



This preview shows how white text looks on a background with the Yxy color 46.7422, 0.3174, 0.3044.

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

46.7422, 0.3174, 0.3044

Protanopia

46.8746, 0.2980, 0.3060

Deuteranopia

46.8537, 0.3129, 0.3066



Tritanopia

46.7741, 0.3205, 0.3116

Trichromacy



Original Color

46.7422, 0.3174, 0.3044

Protanomaly

46.8822, 0.3045, 0.3050

Deuteranomaly

46.7266, 0.3147, 0.3054

Tritanomaly

46.8622, 0.3189, 0.3092

Monochromacy



Original Color

46.7422, 0.3174, 0.3044

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.4974, 0.3140, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7422, 0.3174, 0.3044 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(199, 175, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 195)  
}
```

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(199, 175, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 195) }
```

Border

The CSS property to change the border of an element to Yxy 46.7422, 0.3174, 0.3044 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(199, 175, 195) }
```

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

```
.border{ border-color:rgb(199, 175, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 175, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 175, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 175, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 175,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7422, 0.3174, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 195) }
```

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

```
.background{ background-color: rgb(199,  
175, 195) }
```

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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