

Converting Colors

Yxy(46.9385, 0.3172, 0.3029)

Have a look what the booklet for
Yxy(46.9385, 0.3172, 0.3029)
contains.

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Color

Yxy(46.9248, 0.3174, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	C8AFC4
RGB	200, 175, 196
RGB Percent	78%, 69%, 77%
CMY	0.2158, 0.3137, 0.2314
CMYK	0.00, 0.12, 0.02, 0.22
HSL	310°, 18%, 74%
HSV	310°, 12%, 78%
XYZ	49.1063, 46.9248, 58.6831
YIQ	184.8690, 8.1590, 11.8310

Conversions

Conversions Part 2

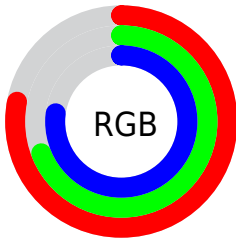
Format	Color
R_{YB}	200, 175, 196
Decimal	13152196
CIE _{Lab}	74.14, 12.67, -7.34
CIE _{LCh}	74, 14.641, 329.897
Yxy	46.9248, 0.3174, 0.3033
Android (android.graphics.Color)	4291342276 (0xFFC8AFC4)
YUV	184.8690, 5.4876, 13.2699
Hunter-Lab	68.5017, 8.0820, -2.8406

Details

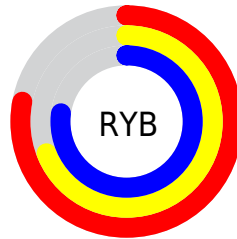
The Yxy color `46.9248, 0.3174, 0.3033` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `53.6676, 0.3084, 0.3561`, and the grayscale version is `48.4039, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.5037, 0.3151, 0.3077`, and `21.9831, 0.3191, 0.2960` is the 20% darker color. If you saturate the color by 10%, you get `39.5654, 0.3218, 0.2820`, and if you desaturate by 10%, it is `55.4441, 0.3136, 0.3240`.

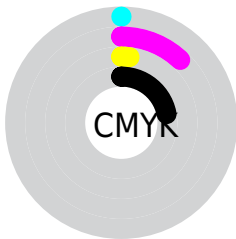
Distribution



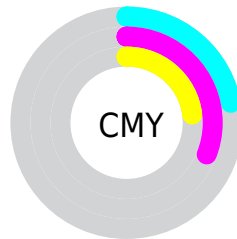
- Red (78%)
- Green (69%)
- Blue (77%)



- Red (78%)
- Yellow (69%)
- Blue (77%)



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





- Cyan (22%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9248, 0.3174, 0.3033 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 46.9248, 0.3174, 0.3033 by changing the saturation by 10% instead.


 46.9248, 0.3174,
0.3033

 46.9248, 0.3174,
0.3033

374.5143, 0.3152,
0.3159

 32.9762, 0.3179,
0.3002


 85.6014, 0.3166,
0.3078

 22.1082, 0.3186,
0.2963

111.0981, 0.3163,
0.3095

 13.9364, 0.3194,
0.2912


141.2131, 0.3161,
0.3110

 8.0765, 0.3205,
0.2842

176.3306, 0.3158,
0.3122

 4.1439, 0.3220,
0.2741

216.8351, 0.3156,
0.3133

 1.7544, 0.3242,
0.2581

263.1109, 0.3155,

 0.4585, 0.3360,

0.3143

0.2068

315.5425, 0.3153,
0.3151

0.0000, 0.0000,
0.0000

46.9248, 0.3174,
0.3033

46.9248, 0.3174,
0.3033

39.5654, 0.3218,
0.2820

55.4441, 0.3136,
0.3240

33.3094, 0.3267,
0.2607

65.1646, 0.3103,
0.3437

28.1045, 0.3320,
0.2402

76.1331, 0.3074,
0.3623

23.8919, 0.3379,
0.2213

88.3882, 0.3050,
0.3795

20.6069, 0.3439,
0.2050

88.5480, 0.3033,
0.3758

■ 18.1774, 0.3501,
0.1923

■ 88.7110, 0.3015,
0.3722

■ 16.5202, 0.3562,
0.1838

■ 88.8772, 0.2998,
0.3687

■ 15.5360, 0.3620,
0.1798

■ 89.0466, 0.2981,
0.3651

■ 15.1028, 0.3663,
0.1791

■ 89.2193, 0.2963,
0.3615

Harmonies

Analogous

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



46.9248, 0.2971, 0.2956



46.9248, 0.3174, 0.3033



46.9248, 0.3370, 0.3173

Triad

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



46.9248, 0.3174, 0.3033



46.9248, 0.3445, 0.3623



46.9248, 0.2766, 0.3216

Complementary

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



46.9248, 0.3174, 0.3033



53.6676, 0.3084, 0.3561

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.



46.9248, 0.2886, 0.3407



46.9248, 0.3174, 0.3033



46.9248, 0.3276, 0.3648

Square

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



46.9248, 0.3174, 0.3033



46.9248, 0.3529, 0.3510



46.9248, 0.3071, 0.3569



46.9248, 0.2741, 0.3054

Rectangle

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



46.9248, 0.3174, 0.3033



46.9248, 0.3468, 0.3287



46.9248, 0.3071, 0.3569



46.9248, 0.2797, 0.3279

Sweetspot

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



46.9268, 0.3174, 0.3033



93.5592, 0.3141, 0.3208



44.3903, 0.2962, 0.2968



19.7745, 0.3144, 0.3192



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.



46.9268, 0.3174, 0.3033



77.5892, 0.3185, 0.2975



46.3924, 0.3276, 0.3182



10.7864, 0.3162, 0.3098



9.6167, 0.3655, 0.1787



0.4634, 0.3548, 0.1728

Inverse Universe

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



46.9268, 0.3174, 0.3033



77.5892, 0.3185, 0.2975



54.1847, 0.2998, 0.3401



10.7864, 0.3162, 0.3098



9.6167, 0.3655, 0.1787



0.4634, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 46.9248, 0.3174, 0.3033 looks on a white background.

Color Contrast Check

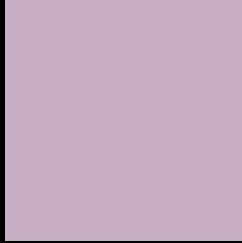
Large Text (above 18pt) WCAG AA × Fail

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 46.9248, 0.3174, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

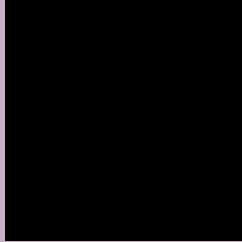
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9248, 0.3174, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 46.9248, 0.3174, 0.3033.



This preview shows how white text looks on a background with the Yxy color 46.9248, 0.3174, 0.3033.

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

46.9248, 0.3174, 0.3033

Protanopia

47.0416, 0.2981, 0.3048

Deuteranopia

46.8991, 0.3121, 0.3054



Tritanopia

46.9105, 0.3214, 0.3117

Trichromacy



Original Color

46.9248, 0.3174, 0.3033

Protanomaly

47.0551, 0.3046, 0.3039

Deuteranomaly

46.7720, 0.3139, 0.3042

Tritanomaly

46.9986, 0.3198, 0.3093

Monochromacy



Original Color

46.9248, 0.3174, 0.3033

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.6690, 0.3140, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9248, 0.3174, 0.3033 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(200, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(200, 175, 196)  
}
```

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(200, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 175, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.9248, 0.3174, 0.3033 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(200, 175, 196) }
```

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

```
.border{ border-color:rgb(200, 175, 196) }
```

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

Here you see how a box with a 4 pixel rgb(200, 175, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 175, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 175, 196);  
box-shadow:4px 4px 4px 4px rgb(200, 175,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9248, 0.3174, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 175, 196) }
```

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

```
.background{ background-color: rgb(200,  
175, 196) }
```

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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