

Converting Colors

$Y_{xy}(46.5805, 0.3137, 0.3001)$

Have a look what the booklet for
Yxy(46.5805, 0.3137, 0.3001)
contains.

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Color

Yxy(46.7429, 0.3140, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	C6AFC6
RGB	198, 175, 198
RGB Percent	78%, 69%, 78%
CMY	0.2236, 0.3137, 0.2234
CMYK	0.00, 0.12, 0.00, 0.22
HSL	300°, 17%, 73%
HSV	300°, 12%, 78%
XYZ	48.8103, 46.7429, 59.8937
YIQ	184.4990, 6.3250, 12.0290

Conversions

Conversions Part 2

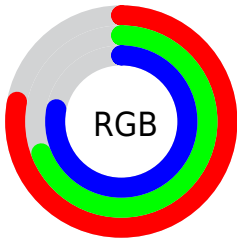
Format	Color
R _Y B	198, 175, 198
Decimal	13021126
CIE Lab	74.03, 12.36, -8.66
CIE LCh	74, 15.091, 324.999
Yxy	46.7429, 0.3140, 0.3007
Android (android.graphics.Color)	4291211206 (0xFFC6AFC6)
YUV	184.4990, 6.6560, 11.8404
Hunter-Lab	68.3688, 7.7907, -4.0822

Details

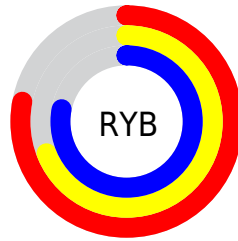
The Yxy color `46.7429, 0.3140, 0.3007` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `52.6185, 0.3113, 0.3590`, and the grayscale version is `48.1836, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.6318, 0.3138, 0.3058`, and `22.1088, 0.3143, 0.2943` is the 20% darker color. If you saturate the color by 10%, you get `39.5869, 0.3151, 0.2758`, and if you desaturate by 10%, it is `55.0334, 0.3129, 0.3251`.

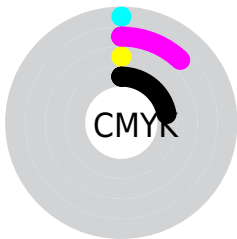
Distribution



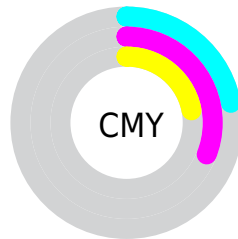
- Red (78%)
- Green (69%)
- Blue (78%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7429, 0.3140, 0.3007 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 46.7429, 0.3140, 0.3007 by changing the saturation by 10% instead.


 46.7429, 0.3140,
0.3007

 46.7429, 0.3140,
0.3007


373.7874, 0.3135,
0.3146

 32.8325, 0.3141,
0.2973


 85.3297, 0.3138,
0.3057

 21.9981, 0.3142,
0.2931


110.7749, 0.3138,
0.3076

 13.8555, 0.3143,
0.2875


140.8338, 0.3137,
0.3092

 8.0202, 0.3143,
0.2798

175.8907, 0.3137,
0.3105

 4.1079, 0.3143,
0.2687

216.3302, 0.3136,
0.3117

 1.7341, 0.3139,
0.2512

262.5365, 0.3136,

 0.4456, 0.3200,

0.3128

0.1966

314.8941, 0.3135,
0.3137

0.0000, 0.0000,
0.0000

46.7429, 0.3140,
0.3007

46.7429, 0.3140,
0.3007

39.5869, 0.3151,
0.2758

55.0334, 0.3129,
0.3251

33.5103, 0.3162,
0.2512

64.4983, 0.3118,
0.3485

28.4626, 0.3173,
0.2278

75.1831, 0.3108,
0.3706

24.3867, 0.3182,
0.2064

87.1291, 0.3099,
0.3911

21.2202, 0.3190,
0.1880

87.6312, 0.3099,
0.3918

■ 18.8932, 0.3196,
0.1734

■ 87.6371, 0.3099,
0.3918

■ 17.3258, 0.3201,
0.1629

■ 87.6430, 0.3099,
0.3918

■ 16.4228, 0.3203,
0.1566

■ 87.6489, 0.3099,
0.3918

■ 16.0297, 0.3204,
0.1539

■ 87.6548, 0.3100,
0.3918

Harmonies

Analogous

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



46.7429, 0.2935, 0.2940



46.7429, 0.3140, 0.3007



46.7429, 0.3348, 0.3143

Triad

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



46.7429, 0.3140, 0.3007



46.7429, 0.3476, 0.3620



46.7429, 0.2769, 0.3245

Complementary

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



46.7429, 0.3140, 0.3007



52.6185, 0.3113, 0.3590

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.



46.7429, 0.2906, 0.3442



46.7429, 0.3140, 0.3007



46.7429, 0.3313, 0.3663

Square

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



46.7429, 0.3140, 0.3007



46.7429, 0.3545, 0.3491



46.7429, 0.3103, 0.3598



46.7429, 0.2726, 0.3069

Rectangle

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



46.7429, 0.3140, 0.3007



46.7429, 0.3458, 0.3257



46.7429, 0.3103, 0.3598



46.7429, 0.2805, 0.3311

Sweetspot

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



46.7449, 0.3140, 0.3007



95.2126, 0.3130, 0.3217



44.0063, 0.2946, 0.2995



20.1125, 0.3131, 0.3197



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.



46.7449, 0.3140, 0.3007



79.2849, 0.3143, 0.2943



46.2568, 0.3232, 0.3142



10.8154, 0.3137, 0.3062



10.4214, 0.3204, 0.1539



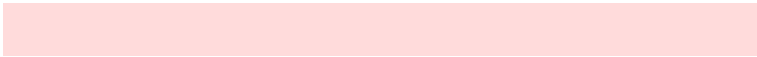
0.4938, 0.3205, 0.1539

Inverse Universe

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



45.7706, 0.3333, 0.3290



77.2141, 0.3387, 0.3290



53.0681, 0.3034, 0.3443



10.6373, 0.3289, 0.3290



7.8084, 0.6398, 0.3298



0.3699, 0.6388, 0.3293

Previews

White Background



This preview shows how the Yxy color 46.7429, 0.3140, 0.3007 looks on a white background.

Color Contrast Check

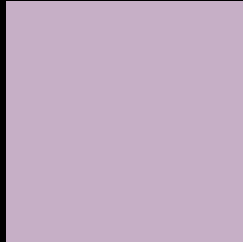
Large Text (above 18pt) WCAG AA × Fail

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 46.7429, 0.3140, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

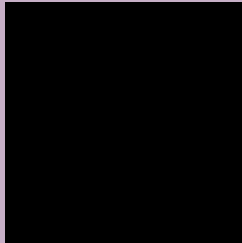
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7429, 0.3140, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 46.7429, 0.3140, 0.3007.



This preview shows how white text looks on a background with the Yxy color 46.7429, 0.3140, 0.3007.

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

46.7429, 0.3140, 0.3007

Protanopia

47.0153, 0.2958, 0.3023

Deuteranopia

46.8590, 0.3097, 0.3029



Tritanopia

46.6387, 0.3197, 0.3116

Trichromacy



Original Color

46.7429, 0.3140, 0.3007

Protanomaly

47.0220, 0.3022, 0.3014

Deuteranomaly

46.7300, 0.3114, 0.3018

Tritanomaly

46.7712, 0.3172, 0.3079

Monochromacy



Original Color

46.7429, 0.3140, 0.3007

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7126, 0.3132, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7429, 0.3140, 0.3007 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(198, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 175, 198)  
}
```

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(198, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 175, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.7429, 0.3140, 0.3007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

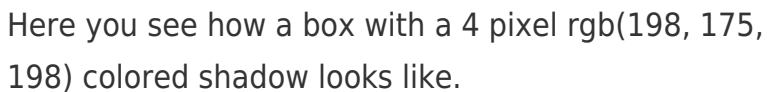
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 175, 198) }
```

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

```
.border{ border-color:rgb(198, 175, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 175, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 175, 198); box-shadow:4px 4px 4px 4px rgb(198, 175, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7429, 0.3140, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 175, 198) }
```

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

```
.background{ background-color: rgb(198,  
175, 198) }
```

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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