

Converting Colors

$Yxy(46.0860, 0.3010, 0.2775)$

Have a look what the booklet for
Yxy(46.0860, 0.3010, 0.2775)
contains.

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Color

Yxy(45.9866, 0.3014, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	C6ABD6
RGB	198, 171, 214
RGB Percent	78%, 67%, 84%
CMY	0.2237, 0.3293, 0.1607
CMYK	0.07, 0.20, 0.00, 0.16
HSL	278°, 34%, 75%
HSV	278°, 20%, 84%
XYZ	49.9833, 45.9866, 69.8671
YIQ	183.9750, 2.2890, 19.0970

Conversions

Conversions Part 2

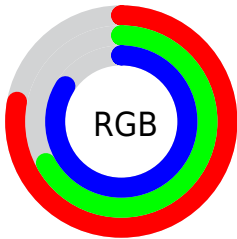
Format	Color
R_{YB}	198, 171, 214
Decimal	13020118
CIE _{Lab}	73.54, 17.65, -18.13
CIE _{LCh}	74, 25.302, 314.226
Yxy	45.9866, 0.3014, 0.2773
Android (android.graphics.Color)	4291210198 (0xFFC6ABD6)
YUV	183.9750, 14.8023, 12.2999
Hunter-Lab	67.8134, 12.8936, -13.6162

Details

The Yxy color $45.9866, 0.3014, 0.2773$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.6123, 0.3220, 0.3822$, and the grayscale version is $47.8335, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $21.6261, 0.2982, 0.2648$ is the 20% darker color. If you saturate the color by 10%, you get $37.4900, 0.2943, 0.2495$, and if you desaturate by 10%, it is $55.8533, 0.3075, 0.3039$.

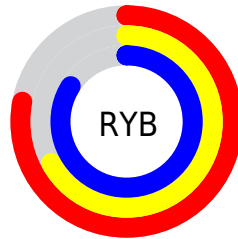
Distribution



Red (78%)

Green (67%)

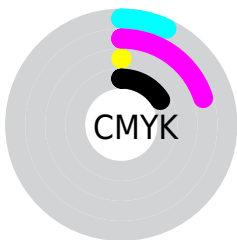
Blue (84%)



Red (78%)

Yellow (67%)

Blue (84%)

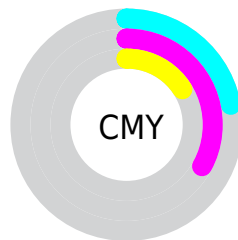


Cyan (7%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (22%)

Magenta (33%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9866, 0.3014, 0.2773 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 45.9866, 0.3014, 0.2773 by changing the saturation by 10% instead.

■ 45.9866, 0.3014,
0.2773

■ 45.9866, 0.3014,
0.2773

370.7548, 0.3074,
0.3022

■ 32.2352, 0.2998,
0.2714

■ 84.1989, 0.3036,
0.2862

■ 21.5412, 0.2978,
0.2639

109.4287, 0.3045,
0.2895

■ 13.5202, 0.2950,
0.2542

139.2534, 0.3051,
0.2924

■ 7.7877, 0.2909,
0.2412

174.0575, 0.3057,
0.2949

■ 3.9594, 0.2847,
0.2229

214.2252, 0.3062,
0.2971

■ 1.6509, 0.2741,
0.1954

260.1411, 0.3067,

■ 0.3915, 0.2600,

0.2990

0.1268

312.1895, 0.3070,
0.3007

0.0000, 0.0000,
0.0000

45.9866, 0.3014,
0.2773

45.9866, 0.3014,
0.2773

37.4900, 0.2943,
0.2495

55.8533, 0.3075,
0.3039

30.2939, 0.2862,
0.2213

67.1437, 0.3127,
0.3288

24.3313, 0.2772,
0.1936

79.9158, 0.3170,
0.3518

19.5267, 0.2675,
0.1677

93.1841, 0.3207,
0.3712

15.7960, 0.2574,
0.1448

94.5353, 0.3258,
0.3705

■ 13.0435, 0.2473,
0.1261

■ 95.9478, 0.3310,
0.3698

■ 11.1557, 0.2375,
0.1124

■ 97.4223, 0.3362,
0.3692

■ 9.9359, 0.2284,
0.1032

■ 97.6356, 0.3369,
0.3691

Harmonies

Analogous

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



45.9866, 0.2701, 0.2709



45.9866, 0.3014, 0.2773



45.9866, 0.3376, 0.2956

Triad

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



45.9866, 0.3014, 0.2773



45.9866, 0.3778, 0.3770



45.9866, 0.2596, 0.3326

Complementary

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



45.9866, 0.3014, 0.2773



61.6123, 0.3220, 0.3822

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.



45.9866, 0.2862, 0.3661



45.9866, 0.3014, 0.2773



45.9866, 0.3546, 0.3917

Square

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



45.9866, 0.3014, 0.2773



45.9866, 0.3831, 0.3512



45.9866, 0.3208, 0.3884



45.9866, 0.2471, 0.3004

Rectangle

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



45.9866, 0.3014, 0.2773



45.9866, 0.3593, 0.3126



45.9866, 0.3208, 0.3884



45.9866, 0.2671, 0.3443

Sweetspot

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



45.9886, 0.3014, 0.2773



89.5568, 0.3097, 0.3141



49.2674, 0.2807, 0.2955



18.9358, 0.3094, 0.3125



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.



45.9886, 0.3014, 0.2773



62.8974, 0.2986, 0.2659



48.0328, 0.3192, 0.2849



12.3904, 0.3079, 0.3056



6.0660, 0.2297, 0.1039



0.4124, 0.2454, 0.1126

Inverse Universe

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



47.0201, 0.3380, 0.3099



64.7456, 0.3446, 0.3057



59.8944, 0.3069, 0.3775



12.4967, 0.3233, 0.3203



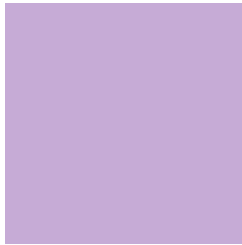
9.0085, 0.5472, 0.2788



0.5591, 0.5000, 0.2528

Previews

White Background



This preview shows how the Yxy color 45.9866, 0.3014, 0.2773 looks on a white background.

Color Contrast Check

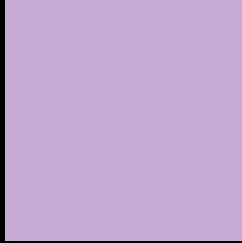
Large Text (above 18pt) WCAG AA × Fail

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 45.9866, 0.3014, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

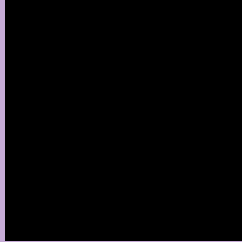
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9866, 0.3014, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 45.9866, 0.3014, 0.2773.



This preview shows how white text looks on a background with the Yxy color 45.9866, 0.3014, 0.2773.

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

45.9866, 0.3014, 0.2773

Protanopia

46.1253, 0.2774, 0.2786

Deuteranopia

46.3157, 0.2900, 0.2842



Tritanopia

45.8034, 0.3179, 0.3114

Trichromacy



Original Color

45.9866, 0.3014, 0.2773

Protanomaly

45.8842, 0.2855, 0.2781

Deuteranomaly

46.1554, 0.2940, 0.2822

Tritanomaly

45.9514, 0.3115, 0.2992

Monochromacy



Original Color

45.9866, 0.3014, 0.2773

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.9991, 0.3086, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9866, 0.3014, 0.2773 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, 171, 214)` looks like.

```
.text, #text, p{  
    color:rgb(198, 171, 214)  
}
```

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, 171, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 171, 214) }
```

Border

The CSS property to change the border of an element to Yxy 45.9866, 0.3014, 0.2773 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, 171, 214) }
```

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

```
.border{ border-color:rgb(198, 171, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 171, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 171, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 171, 214);  
box-shadow:4px 4px 4px 4px rgb(198, 171,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9866, 0.3014, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 171, 214) }
```

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

```
.background{ background-color: rgb(198,  
171, 214) }
```

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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