

Converting Colors

$Y_{xy}(50.7766, 0.2979, 0.2717)$

Have a look what the booklet for
Yxy(50.7766, 0.2979, 0.2717)
contains.

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Color

Yxy(50.7076, 0.2982, 0.2717)

Conversions

Conversions Part 1

Format	Color
Hex	CFB2E4
RGB	207, 178, 228
RGB Percent	81%, 70%, 89%
CMY	0.1883, 0.3019, 0.1058
CMYK	0.09, 0.22, 0.00, 0.11
HSL	275°, 48%, 80%
HSV	275°, 22%, 89%
XYZ	55.6533, 50.7076, 80.2699
YIQ	192.3710, 1.2340, 21.6980

Conversions

Conversions Part 2

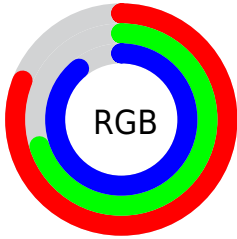
Format	Color
R _Y B	207, 178, 228
Decimal	13611748
CIE Lab	76.50, 19.59, -21.19
CIE LCh	77, 28.854, 312.750
Yxy	50.7076, 0.2982, 0.2717
Android (android.graphics.Color)	4291801828 (0xFFCFB2E4)
YUV	192.3710, 17.5651, 12.8296
Hunter-Lab	71.2093, 14.8897, -16.9876

Details

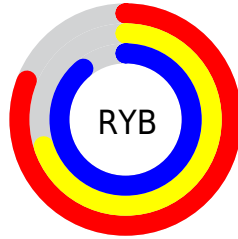
The Yxy color $50.7076, 0.2982, 0.2717$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.8651, 0.3245, 0.3875$, and the grayscale version is $52.8355, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $24.3212, 0.2940, 0.2579$ is the 20% darker color. If you saturate the color by 10%, you get $41.0365, 0.2898, 0.2433$, and if you desaturate by 10%, it is $61.9752, 0.3055, 0.2989$.

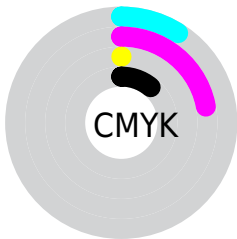
Distribution



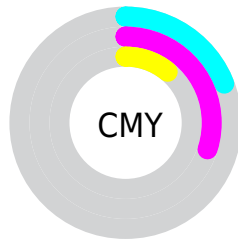
- Red (81%)
- Green (70%)
- Blue (89%)



- Red (81%)
- Yellow (70%)
- Blue (89%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7076, 0.2982, 0.2717 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 50.7076, 0.2982, 0.2717 by changing the saturation by 10% instead.

■ 50.7076, 0.2982,
0.2717

■ 50.7076, 0.2982,
0.2717

389.4267, 0.3057,
0.2988

■ 35.9760, 0.2963,
0.2654

■ 91.2224, 0.3010,
0.2812

■ 24.4156, 0.2938,
0.2576

117.7744, 0.3020,
0.2848

■ 15.6422, 0.2905,
0.2476

149.0352, 0.3029,
0.2880

■ 9.2713, 0.2858,
0.2344

185.3894, 0.3036,
0.2907

■ 4.9186, 0.2789,
0.2164

227.2212, 0.3042,
0.2931

■ 2.1996, 0.2677,
0.1902

274.9151, 0.3048,

■ 0.7198, 0.2478,

0.2952

0.1480

328.8554, 0.3053,
0.2971

0.0000, 0.0938,
0.0000

0.0000, 0.0000,
0.0000

50.7076, 0.2982,
0.2717

50.7076, 0.2982,
0.2717

41.0365, 0.2898,
0.2433

61.9752, 0.3055,
0.2989

32.8794, 0.2804,
0.2144

74.9037, 0.3116,
0.3243

26.1563, 0.2699,
0.1861

89.5615, 0.3168,
0.3477

20.7768, 0.2588,
0.1597

96.6003, 0.3223,
0.3557

■ 16.6397, 0.2474,
0.1366

■ 98.3748, 0.3285,
0.3552

■ 13.6293, 0.2361,
0.1180

■ 98.3828, 0.3285,
0.3552

■ 11.6065, 0.2254,
0.1046

■ 10.5132, 0.2174,
0.0971

Harmonies

Analogous

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



50.7076, 0.2644, 0.2653



50.7076, 0.2982, 0.2717



50.7076, 0.3381, 0.2911

Triad

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



50.7076, 0.2982, 0.2717



50.7076, 0.3853, 0.3803



50.7076, 0.2554, 0.3347

Complementary

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



50.7076, 0.2982, 0.2717



70.8651, 0.3245, 0.3875

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.



50.7076, 0.2851, 0.3718



50.7076, 0.2982, 0.2717



50.7076, 0.3603, 0.3978

Square

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



50.7076, 0.2982, 0.2717



50.7076, 0.3902, 0.3515



50.7076, 0.3234, 0.3957



50.7076, 0.2410, 0.2987

Rectangle

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



50.7076, 0.2982, 0.2717



50.7076, 0.3625, 0.3094



50.7076, 0.3234, 0.3957



50.7076, 0.2638, 0.3477

Sweetspot

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



50.7097, 0.2982, 0.2717



87.7382, 0.3086, 0.3116



56.2310, 0.2777, 0.2949



18.5642, 0.3082, 0.3100



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.



50.7097, 0.2982, 0.2717



59.8331, 0.2948, 0.2598



53.7623, 0.3179, 0.2780



14.2973, 0.3071, 0.3054



6.1405, 0.2188, 0.0979



0.5081, 0.2333, 0.1059

Inverse Universe

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



52.4692, 0.3389, 0.3053



62.5153, 0.3454, 0.3005



68.3167, 0.3078, 0.3859



14.4681, 0.3227, 0.3191



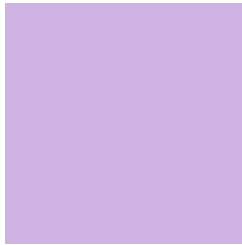
10.0339, 0.5287, 0.2686



0.7597, 0.4911, 0.2479

Previews

White Background



This preview shows how the Yxy color 50.7076, 0.2982, 0.2717 looks on a white background.

Color Contrast Check

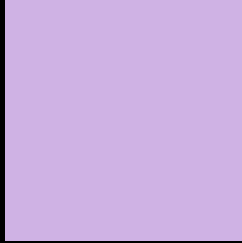
Large Text (above 18pt) WCAG AA × Fail

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 50.7076, 0.2982, 0.2717 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 50.7076, 0.2982, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 50.7076, 0.2982, 0.2717.



This preview shows how white text looks on a background with the Yxy color 50.7076, 0.2982, 0.2717.

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

50.7076, 0.2982, 0.2717

Protanopia

50.9461, 0.2728, 0.2726

Deuteranopia

51.0628, 0.2852, 0.2790



Tritanopia

50.5007, 0.3169, 0.3109

Trichromacy



Original Color

50.7076, 0.2982, 0.2717

Protanomaly

50.9260, 0.2818, 0.2723

Deuteranomaly

50.7377, 0.2904, 0.2761

Tritanomaly

50.4886, 0.3101, 0.2958

Monochromacy



Original Color

50.7076, 0.2982, 0.2717

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.8187, 0.3072, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7076, 0.2982, 0.2717 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(207, 178, 228)` looks like.

```
.text, #text, p{  
    color:rgb(207, 178, 228)  
}
```

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(207, 178, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 178, 228) }
```

Border

The CSS property to change the border of an element to Yxy 50.7076, 0.2982, 0.2717 is called "border". The border property can be set on classes, ids or directly on the HTML element.

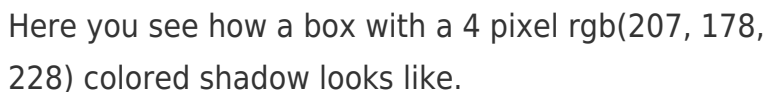
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 178, 228) }
```

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

```
.border{ border-color:rgb(207, 178, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 178, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 178, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 178, 228); box-shadow:4px 4px 4px 4px rgb(207, 178, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7076, 0.2982, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 178, 228) }
```

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

```
.background{ background-color: rgb(207,  
178, 228) }
```

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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