

Converting Colors

$Y_{xy}(50.7072, 0.2883, 0.2553)$

Have a look what the booklet for
Yxy(50.7072, 0.2883, 0.2553)
contains.

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Color

Yxy(50.7269, 0.2882, 0.2552)

Conversions

Conversions Part 1

Format	Color
Hex	CFB0F2
RGB	207, 176, 242
RGB Percent	81%, 69%, 95%
CMY	0.1881, 0.3098, 0.0511
CMYK	0.14, 0.27, 0.00, 0.05
HSL	268°, 72%, 82%
HSV	268°, 27%, 95%
XYZ	57.2864, 50.7269, 90.7598
YIQ	192.7930, -2.7100, 27.0980

Conversions

Conversions Part 2

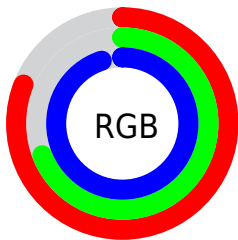
Format	Color
R _Y B	207, 176, 242
Decimal	13611250
CIE Lab	76.51, 23.59, -28.72
CIE LCh	77, 37.163, 309.398
Yxy	50.7269, 0.2882, 0.2552
Android (android.graphics.Color)	4291801330 (0xFFCFB0F2)
YUV	192.7930, 24.2591, 12.4595
Hunter-Lab	71.2228, 18.9324, -25.6977

Details

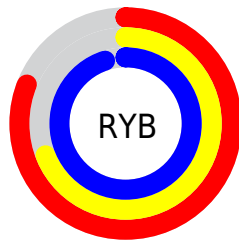
The Yxy color **50.7269, 0.2882, 0.2552** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **80.4693, 0.3322, 0.4023**, and the grayscale version is **53.0590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **24.3865, 0.2808, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **40.2981, 0.2767, 0.2252**, and if you desaturate by 10%, it is **63.0011, 0.2984, 0.2840**.

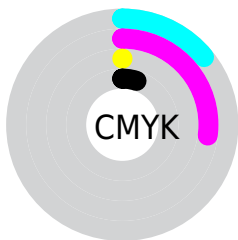
Distribution



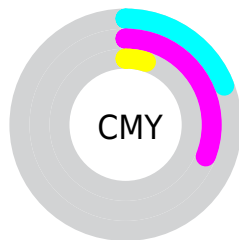
- Red (81%)
- Green (69%)
- Blue (95%)



- Red (81%)
- Yellow (69%)
- Blue (95%)



- Cyan (14%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)




- Cyan (19%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7269, 0.2882, 0.2552 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 50.7269, 0.2882, 0.2552 by changing the saturation by 10% instead.


 50.7269, 0.2882,
0.2552

 50.7269, 0.2882,
0.2552


389.5018, 0.3007,
0.2896

 35.9913, 0.2851,
0.2474


 91.2510, 0.2928,
0.2671

 24.4275, 0.2810,
0.2377

117.8082, 0.2945,
0.2718

 15.6510, 0.2757,
0.2255


149.0748, 0.2959,
0.2758

 9.2776, 0.2684,
0.2097

185.4352, 0.2972,
0.2792

 4.9227, 0.2578,
0.1886

227.2736, 0.2982,
0.2823

 2.2020, 0.2413,
0.1592

274.9746, 0.2992,

 0.7211, 0.2136,

0.2850

0.1154

328.9226, 0.3000,
0.2874

0.0000, 0.1077,
0.0000

0.0000, 0.0000,
0.0000

50.7269, 0.2882,
0.2552

50.7269, 0.2882,
0.2552

40.2981, 0.2767,
0.2252

63.0011, 0.2984,
0.2840

31.6150, 0.2640,
0.1948

77.2010, 0.3071,
0.3109

24.5778, 0.2503,
0.1655

93.4098, 0.3146,
0.3355

19.0739, 0.2363,
0.1387

99.1896, 0.3203,
0.3415

■ 14.9757, 0.2224,
0.1160

■ 12.1338, 0.2095,
0.0988

■ 10.3547, 0.1979,
0.0873

■ 9.9722, 0.1950,
0.0848

Harmonies

Analogous

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



50.7269, 0.2474, 0.2488



50.7269, 0.2882, 0.2552



50.7269, 0.3392, 0.2777

Triad

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



50.7269, 0.2882, 0.2552



50.7269, 0.4078, 0.3895



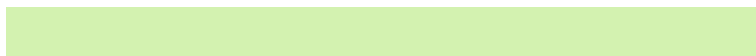
50.7269, 0.2429, 0.3413

Complementary

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



50.7269, 0.2882, 0.2552



80.4693, 0.3322, 0.4023

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.



50.7269, 0.2818, 0.3898



50.7269, 0.2882, 0.2552



50.7269, 0.3774, 0.4158

Square

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



50.7269, 0.2882, 0.2552



50.7269, 0.4116, 0.3515



50.7269, 0.3310, 0.4181



50.7269, 0.2230, 0.2936

Rectangle

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



50.7269, 0.2882, 0.2552



50.7269, 0.3719, 0.2995



50.7269, 0.3310, 0.4181



50.7269, 0.2541, 0.3585

Sweetspot

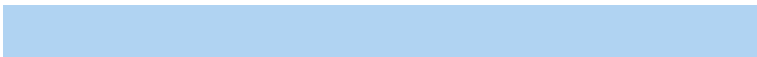
The Sweet Spot groups the original color and five complimentary colors.



50.7290, 0.2882, 0.2552



85.6753, 0.3065, 0.3089



62.3223, 0.2694, 0.2932



17.7965, 0.3053, 0.3050



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.



50.7290, 0.2882, 0.2552



50.0522, 0.2817, 0.2378



55.9471, 0.3141, 0.2607



15.5931, 0.3053, 0.3051



5.4380, 0.1967, 0.0857



0.5111, 0.2112, 0.0937

Inverse Universe

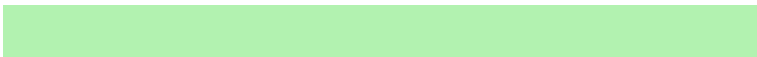
The Inverse Universe completely reimagines the original color for something new.



54.6252, 0.3411, 0.2917



55.2578, 0.3492, 0.2834



76.1155, 0.3104, 0.4074



15.8988, 0.3210, 0.3166



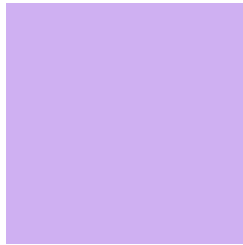
11.0092, 0.4832, 0.2436



0.9360, 0.4560, 0.2285

Previews

White Background



This preview shows how the Yxy color 50.7269, 0.2882, 0.2552 looks on a white background.

Color Contrast Check

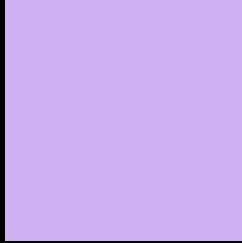
Large Text (above 18pt) WCAG AA × Fail

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 50.7269, 0.2882, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

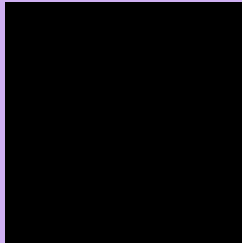
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7269, 0.2882, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 50.7269, 0.2882, 0.2552.

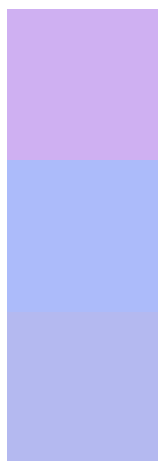


This preview shows how white text looks on a background with the Yxy color 50.7269, 0.2882, 0.2552.

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

50.7269, 0.2882, 0.2552

Protanopia

51.2134, 0.2591, 0.2550

Deuteranopia

50.6925, 0.2702, 0.2639



Tritanopia

50.6839, 0.3144, 0.3108

Trichromacy



Original Color

50.7269, 0.2882, 0.2552

Protanomaly

50.8967, 0.2692, 0.2550

Deuteranomaly

50.7539, 0.2764, 0.2606

Tritanomaly

50.6506, 0.3047, 0.2889

Monochromacy



Original Color

50.7269, 0.2882, 0.2552

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.2496, 0.3036, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7269, 0.2882, 0.2552 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, 176, 242)` looks like.

```
.text, #text, p{  
    color:rgb(207, 176, 242)  
}
```

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, 176, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 176, 242) }
```

Border

The CSS property to change the border of an element to Yxy 50.7269, 0.2882, 0.2552 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, 176, 242) }
```

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

```
.border{ border-color:rgb(207, 176, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 176, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 176, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 176, 242);  
box-shadow:4px 4px 4px 4px rgb(207, 176,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7269, 0.2882, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 176, 242) }
```

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

```
.background{ background-color: rgb(207,  
176, 242) }
```

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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