

Converting Colors

$Yxy(44.9347, 0.2941, 0.2591)$

Have a look what the booklet for
Yxy(44.9347, 0.2941, 0.2591)
contains.

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Color

Yxy(44.9880, 0.2946, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	C8A6E1
RGB	200, 166, 225
RGB Percent	78%, 65%, 88%
CMY	0.2159, 0.3489, 0.1177
CMYK	0.11, 0.26, 0.00, 0.12
HSL	275°, 50%, 77%
HSV	275°, 26%, 88%
XYZ	51.0337, 44.9880, 77.2089
YIQ	182.8920, 1.3250, 25.5570

Conversions

Conversions Part 2

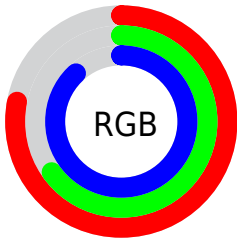
Format	Color
R _Y B	200, 166, 225
Decimal	13149921
CIE Lab	72.88, 23.27, -25.10
CIE LCh	73, 34.226, 312.834
Yxy	44.9880, 0.2946, 0.2597
Android (android.graphics.Color)	4291340001 (0xFFC8A6E1)
YUV	182.8920, 20.7592, 15.0037
Hunter-Lab	67.0731, 18.4370, -21.2985

Details

The Yxy color $44.9880, 0.2946, 0.2597$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $67.6732, 0.3268, 0.3999$, and the grayscale version is $47.1739, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $20.9566, 0.2879, 0.2418$ is the 20% darker color. If you saturate the color by 10%, you get $36.2383, 0.2857, 0.2309$, and if you desaturate by 10%, it is $55.2543, 0.3024, 0.2875$.

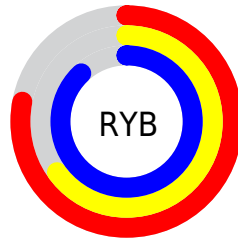
Distribution



Red (78%)

Green (65%)

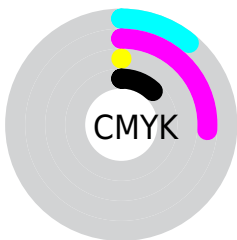
Blue (88%)



Red (78%)

Yellow (65%)

Blue (88%)

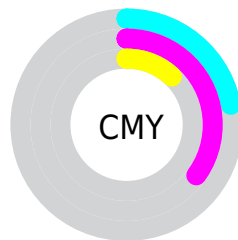


Cyan (11%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (22%)

Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9880, 0.2946, 0.2597 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 44.9880, 0.2946, 0.2597 by changing the saturation by 10% instead.

44.9880, 0.2946,
0.2597

44.9880, 0.2946,
0.2597

366.7250, 0.3042,
0.2927

31.4480, 0.2921,
0.2520

82.7024, 0.2982,
0.2713

20.9402, 0.2888,
0.2423

107.6456, 0.2995,
0.2758

13.0803, 0.2843,
0.2299

137.1586, 0.3006,
0.2796

7.4839, 0.2780,
0.2136

171.6258, 0.3015,
0.2830

3.7665, 0.2684,
0.1912

211.4317, 0.3024,
0.2859

1.5438, 0.2525,
0.1589

256.9606, 0.3030,

0.3193, 0.2294,

0.2884

0.0840

308.5969, 0.3037,
0.2907

0.0000, 0.0000,
0.0000

44.9880, 0.2946,
0.2597

44.9880, 0.2946,
0.2597

36.2383, 0.2857,
0.2309

55.2543, 0.3024,
0.2875

28.9236, 0.2757,
0.2021

67.1021, 0.3091,
0.3137

22.9629, 0.2649,
0.1744

80.5993, 0.3147,
0.3380

18.2648, 0.2535,
0.1492

95.1580, 0.3195,
0.3592

14.7260, 0.2420,
0.1278

96.8564, 0.3256,
0.3586

■ 12.2262, 0.2308,
0.1113

■ 98.2148, 0.3304,
0.3582

■ 10.6158, 0.2204,
0.1001

■ 10.1399, 0.2167,
0.0967

Harmonies

Analogous

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



44.9880, 0.2537, 0.2516



44.9880, 0.2946, 0.2597



44.9880, 0.3439, 0.2830

Triad

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



44.9880, 0.2946, 0.2597



44.9880, 0.4018, 0.3910



44.9880, 0.2425, 0.3353

Complementary

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



44.9880, 0.2946, 0.2597



67.6732, 0.3268, 0.3999

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.



44.9880, 0.2782, 0.3825



44.9880, 0.2946, 0.2597



44.9880, 0.3704, 0.4139

Square

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



44.9880, 0.2946, 0.2597



44.9880, 0.4086, 0.3554



44.9880, 0.3249, 0.4125



44.9880, 0.2255, 0.2907

Rectangle

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



44.9880, 0.2946, 0.2597



44.9880, 0.3743, 0.3047



44.9880, 0.3249, 0.4125



44.9880, 0.2525, 0.3517

Sweetspot

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



44.9899, 0.2946, 0.2597



86.0624, 0.3079, 0.3090



51.0556, 0.2706, 0.2874



17.8939, 0.3070, 0.3051



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.



44.9899, 0.2946, 0.2597



53.6935, 0.2903, 0.2454



48.5083, 0.3190, 0.2680



13.6308, 0.3070, 0.3054



5.9148, 0.2182, 0.0975



0.4624, 0.2335, 0.1060

Inverse Universe

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



47.0492, 0.3452, 0.3003



56.9195, 0.3535, 0.2945



64.8470, 0.3068, 0.3987



13.7966, 0.3226, 0.3191



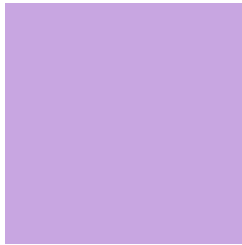
9.7279, 0.5269, 0.2676



0.6919, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 44.9880, 0.2946, 0.2597 looks on a white background.

Color Contrast Check

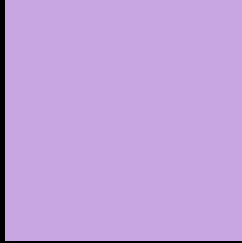
Large Text (above 18pt) WCAG AA × Fail

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 44.9880, 0.2946, 0.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

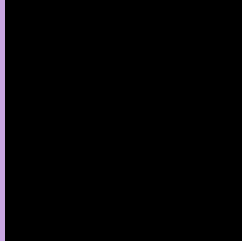
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9880, 0.2946, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 44.9880, 0.2946, 0.2597.



This preview shows how white text looks on a background with the Yxy color 44.9880, 0.2946, 0.2597.

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

44.9880, 0.2946, 0.2597

Protanopia

45.2200, 0.2623, 0.2593

Deuteranopia

44.9863, 0.2758, 0.2691



Tritanopia

44.9443, 0.3198, 0.3113

Trichromacy



Original Color

44.9880, 0.2946, 0.2597

Protanomaly

44.9474, 0.2732, 0.2593

Deuteranomaly

44.9541, 0.2818, 0.2654

Tritanomaly

44.7023, 0.3101, 0.2907

Monochromacy



Original Color

44.9880, 0.2946, 0.2597

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3403, 0.3063, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9880, 0.2946, 0.2597 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, 166, 225)` looks like.

```
.text, #text, p{  
    color:rgb(200, 166, 225)  
}
```

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, 166, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 166, 225) }
```

Border

The CSS property to change the border of an element to Yxy 44.9880, 0.2946, 0.2597 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, 166, 225) }
```

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

```
.border{ border-color:rgb(200, 166, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 166, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 166, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 166, 225);  
box-shadow:4px 4px 4px 4px rgb(200, 166,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9880, 0.2946, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 166, 225) }
```

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

```
.background{ background-color: rgb(200,  
166, 225) }
```

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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