

Converting Colors

$Y_{xy}(46.5921, 0.2939, 0.2578)$

Have a look what the booklet for
Yxy(46.5921, 0.2939, 0.2578)
contains.

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Color

Yxy(46.5558, 0.2942, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	CCA8E6
RGB	204, 168, 230
RGB Percent	80%, 66%, 90%
CMY	0.1999, 0.3412, 0.0980
CMYK	0.11, 0.27, 0.00, 0.10
HSL	275°, 55%, 78%
HSV	275°, 27%, 90%
XYZ	53.1911, 46.5558, 81.0523
YIQ	185.8320, 1.5540, 26.9140

Conversions

Conversions Part 2

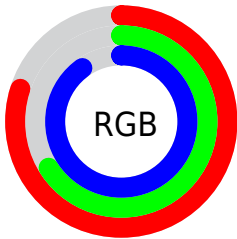
Format	Color
R_{YB}	204, 168, 230
Decimal	13412582
CIE _{Lab}	73.90, 24.52, -26.25
CIE _{LCh}	74, 35.919, 313.045
Yxy	46.5558, 0.2942, 0.2575
Android (android.graphics.Color)	4291602662 (0xFFCCA8E6)
YUV	185.8320, 21.7748, 15.9333
Hunter-Lab	68.2318, 19.7467, -22.6681

Details

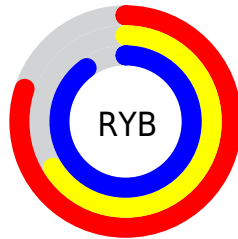
The Yxy color $46.5558, 0.2942, 0.2575$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.8947, 0.3270, 0.4024$, and the grayscale version is $48.8811, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $21.9363, 0.2884, 0.2408$ is the 20% darker color. If you saturate the color by 10%, you get $37.4824, 0.2853, 0.2287$, and if you desaturate by 10%, it is $57.2195, 0.3020, 0.2854$.

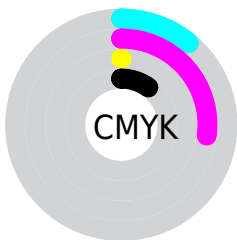
Distribution



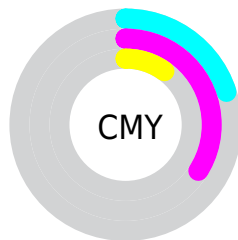
- Red (80%)
- Green (66%)
- Blue (90%)



- Red (80%)
- Yellow (66%)
- Blue (90%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (10%)





- Cyan (20%)
- Magenta (34%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5558, 0.2942, 0.2575 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 46.5558, 0.2942, 0.2575 by changing the saturation by 10% instead.


 46.5558, 0.2942,
0.2575


 46.5558, 0.2942,
0.2575

373.0387, 0.3040,
0.2913

 32.6846, 0.2917,
0.2497


 85.0502, 0.2978,
0.2693

 21.8850, 0.2883,
0.2399


 110.4422, 0.2992,
0.2739

 13.7724, 0.2839,
0.2275


140.4433, 0.3003,
0.2778

 7.9625, 0.2775,
0.2112

175.4379, 0.3013,
0.2812

 4.0710, 0.2680,
0.1891

215.8103, 0.3021,
0.2842

 1.7134, 0.2526,
0.1576

261.9450, 0.3028,

 0.4323, 0.2280,

0.2869

0.0965

314.2263, 0.3034,
0.2892

0.0000, 0.0000,
0.0000

46.5558, 0.2942,
0.2575

46.5558, 0.2942,
0.2575

37.4824, 0.2853,
0.2287

57.2195, 0.3020,
0.2854

29.9128, 0.2754,
0.2000

69.5423, 0.3087,
0.3118

23.7608, 0.2646,
0.1725

83.5963, 0.3143,
0.3362

18.9293, 0.2533,
0.1476

96.2142, 0.3194,
0.3538

15.3079, 0.2419,
0.1267

97.9710, 0.3256,
0.3533

■ 12.7680, 0.2309,
0.1107

■ 98.4937, 0.3274,
0.3532

■ 11.1437, 0.2207,
0.1000

■ 10.7487, 0.2177,
0.0973

Harmonies

Analogous

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



46.5558, 0.2518, 0.2490



46.5558, 0.2942, 0.2575



46.5558, 0.3453, 0.2816

Triad

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



46.5558, 0.2942, 0.2575



46.5558, 0.4049, 0.3932



46.5558, 0.2398, 0.3351

Complementary

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



46.5558, 0.2942, 0.2575



70.8947, 0.3270, 0.4024

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.



46.5558, 0.2765, 0.3843



46.5558, 0.2942, 0.2575



46.5558, 0.3721, 0.4171

Square

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



46.5558, 0.2942, 0.2575



46.5558, 0.4122, 0.3563



46.5558, 0.3248, 0.4158



46.5558, 0.2225, 0.2889

Rectangle

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



46.5558, 0.2942, 0.2575



46.5558, 0.3769, 0.3041



46.5558, 0.3248, 0.4158



46.5558, 0.2501, 0.3521

Sweetspot

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



46.5578, 0.2942, 0.2575



86.0819, 0.3080, 0.3090



53.0102, 0.2692, 0.2859



17.8988, 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.



46.5578, 0.2942, 0.2575



52.6007, 0.2897, 0.2425



50.3133, 0.3192, 0.2661



14.2985, 0.3071, 0.3054



6.1581, 0.2192, 0.0981



0.5094, 0.2336, 0.1061

Inverse Universe

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



48.7239, 0.3468, 0.2997



55.8355, 0.3556, 0.2938



67.9075, 0.3066, 0.4011



14.4677, 0.3227, 0.3192



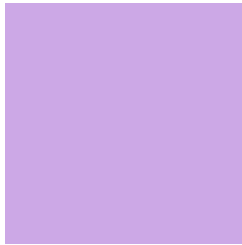
10.0298, 0.5293, 0.2690



0.7594, 0.4917, 0.2483

Previews

White Background



This preview shows how the Yxy color 46.5558, 0.2942, 0.2575 looks on a white background.

Color Contrast Check

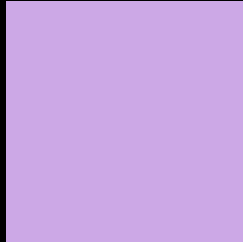
Large Text (above 18pt) WCAG AA × Fail

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 46.5558, 0.2942, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

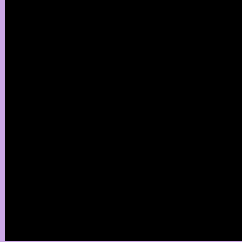
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5558, 0.2942, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 46.5558, 0.2942, 0.2575.



This preview shows how white text looks on a background with the Yxy color 46.5558, 0.2942, 0.2575.

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

46.5558, 0.2942, 0.2575

Protanopia

46.9226, 0.2611, 0.2580

Deuteranopia

46.6723, 0.2743, 0.2676



Tritanopia

46.7306, 0.3214, 0.3129

Trichromacy



Original Color

46.5558, 0.2942, 0.2575

Protanomaly

46.7521, 0.2724, 0.2581

Deuteranomaly

46.3683, 0.2808, 0.2629

Tritanomaly

46.5261, 0.3110, 0.2914

Monochromacy



Original Color

46.5558, 0.2942, 0.2575

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8419, 0.3064, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5558, 0.2942, 0.2575 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(204, 168, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 230)  
}
```

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(204, 168, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 230) }
```

Border

The CSS property to change the border of an element to Yxy 46.5558, 0.2942, 0.2575 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(204, 168, 230) }
```

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

```
.border{ border-color:rgb(204, 168, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 168, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 168, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 168, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 168,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5558, 0.2942, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 230) }
```

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

```
.background{ background-color: rgb(204,  
168, 230) }
```

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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