

Converting Colors

$Y_{xy}(46.2639, 0.3033, 0.2744)$

Have a look what the booklet for
Yxy(46.2639, 0.3033, 0.2744)
contains.

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Color

Yxy(46.2639, 0.3033, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	CAAAD8
RGB	202, 170, 216
RGB Percent	79%, 67%, 85%
CMY	0.2076, 0.3334, 0.1529
CMYK	0.06, 0.21, 0.00, 0.15
HSL	282°, 37%, 76%
HSV	282°, 21%, 85%
XYZ	51.1364, 46.2639, 71.1999
YIQ	184.8120, 4.3060, 21.0900

Conversions

Conversions Part 2

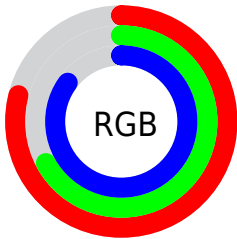
Format	Color
R _Y B	202, 170, 216
Decimal	13282008
CIE Lab	73.72, 19.95, -18.91
CIE LCh	74, 27.491, 316.536
Yxy	46.2639, 0.3033, 0.2744
Android (android.graphics.Color)	4291472088 (0xFFCAAAD8)
YUV	184.8120, 15.3757, 15.0739
Hunter-Lab	68.0176, 15.1677, -14.4517

Details

The Yxy color $46.2639, 0.3033, 0.2744$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $62.1959, 0.3201, 0.3861$, and the grayscale version is $48.3206, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $21.8260, 0.3007, 0.2612$ is the 20% darker color. If you saturate the color by 10%, you get $37.9283, 0.2976, 0.2471$, and if you desaturate by 10%, it is $55.9726, 0.3082, 0.3008$.

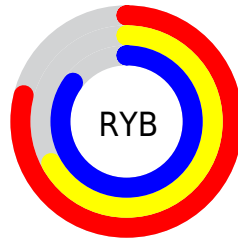
Distribution



Red (79%)

Green (67%)

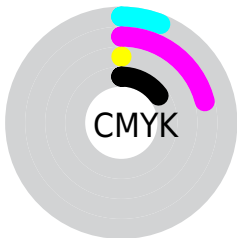
Blue (85%)



Red (79%)

Yellow (67%)

Blue (85%)

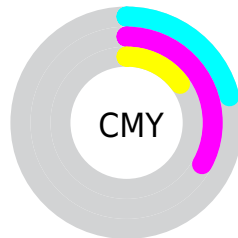


Cyan (6%)

Magenta (21%)

Yellow (0%)

Black (15%)



Cyan (21%)


Magenta (33%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2639, 0.3033, 0.2744 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 46.2639, 0.3033, 0.2744 by changing the saturation by 10% instead.

 46.2639, 0.3033,
0.2744

 46.2639, 0.3033,
0.2744


371.8686, 0.3084,
0.3006

 32.4541, 0.3019,
0.2682


 84.6138, 0.3052,
0.2837

 21.7086, 0.3001,
0.2604


109.9227, 0.3059,
0.2872

 13.6429, 0.2977,
0.2503


139.8335, 0.3065,
0.2903

 7.8727, 0.2941,
0.2369

174.7305, 0.3070,
0.2929

 4.0136, 0.2885,
0.2181

214.9981, 0.3074,
0.2952

 1.6812, 0.2789,
0.1901

261.0207, 0.3078,

 0.4114, 0.2658,

0.2972

0.1245

313.1827, 0.3081,
0.2990

0.0000, 0.0000,
0.0000

46.2639, 0.3033,
0.2744

46.2639, 0.3033,
0.2744

37.9283, 0.2976,
0.2471

55.9726, 0.3082,
0.3008

30.8946, 0.2911,
0.2197

67.1095, 0.3122,
0.3259

25.0938, 0.2839,
0.1933

79.7337, 0.3156,
0.3492

20.4482, 0.2761,
0.1690

93.0116, 0.3184,
0.3692

16.8712, 0.2679,
0.1480

94.1045, 0.3226,
0.3687

■ 14.2633, 0.2596,
0.1312

■ 95.2383, 0.3268,
0.3682

■ 12.5059, 0.2515,
0.1192

■ 96.4136, 0.3311,
0.3677

■ 11.4915, 0.2448,
0.1122

■ 97.6308, 0.3354,
0.3671

■ 97.7379, 0.3358,
0.3671

Harmonies

Analogous

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



46.2639, 0.2688, 0.2663



46.2639, 0.3033, 0.2744



46.2639, 0.3425, 0.2949

Triad

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



46.2639, 0.3033, 0.2744



46.2639, 0.3819, 0.3825



46.2639, 0.2537, 0.3299

Complementary

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



46.2639, 0.3033, 0.2744



62.1959, 0.3201, 0.3861

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.



46.2639, 0.2813, 0.3669



46.2639, 0.3033, 0.2744



46.2639, 0.3553, 0.3975

Square

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



46.2639, 0.3033, 0.2744



46.2639, 0.3895, 0.3551



46.2639, 0.3183, 0.3926



46.2639, 0.2416, 0.2955

Rectangle

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



46.2639, 0.3033, 0.2744



46.2639, 0.3656, 0.3134



46.2639, 0.3183, 0.3926



46.2639, 0.2614, 0.3426

Sweetspot

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



46.2659, 0.3033, 0.2744



89.7546, 0.3104, 0.3142



48.0154, 0.2784, 0.2892



18.9826, 0.3101, 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.



46.2659, 0.3033, 0.2744



61.1317, 0.3006, 0.2610



47.8759, 0.3222, 0.2855



12.4350, 0.3090, 0.3057



6.8606, 0.2459, 0.1128



0.4562, 0.2592, 0.1202

Inverse Universe

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



46.8012, 0.3428, 0.3125



62.1197, 0.3518, 0.3084



60.8877, 0.3045, 0.3768



12.4822, 0.3244, 0.3220



8.8872, 0.5737, 0.2934



0.5506, 0.5240, 0.2660

Previews

White Background



This preview shows how the Yxy color 46.2639, 0.3033, 0.2744 looks on a white background.

Color Contrast Check

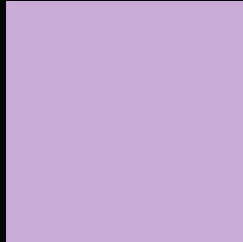
Large Text (above 18pt) WCAG AA × Fail

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 46.2639, 0.3033, 0.2744 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 46.2639, 0.3033, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 46.2639, 0.3033, 0.2744.



This preview shows how white text looks on a background with the Yxy color 46.2639, 0.3033, 0.2744.

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

46.2639, 0.3033, 0.2744

Protanopia

46.6282, 0.2741, 0.2752

Deuteranopia

46.4179, 0.2885, 0.2819



Tritanopia

46.3398, 0.3215, 0.3116

Trichromacy



Original Color

46.2639, 0.3033, 0.2744

Protanomaly

46.1631, 0.2841, 0.2748

Deuteranomaly

46.1255, 0.2941, 0.2789

Tritanomaly

46.1528, 0.3142, 0.2971

Monochromacy



Original Color

46.2639, 0.3033, 0.2744

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7044, 0.3094, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2639, 0.3033, 0.2744 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(202, 170, 216)` looks like.

```
.text, #text, p{  
    color:rgb(202, 170, 216)  
}
```

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(202, 170, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 170, 216) }
```

Border

The CSS property to change the border of an element to Yxy 46.2639, 0.3033, 0.2744 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(202, 170, 216) }
```

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

```
.border{ border-color:rgb(202, 170, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 170, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(202, 170,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2639, 0.3033, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 170, 216) }
```

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

```
.background{ background-color: rgb(202,  
170, 216) }
```

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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