

Converting Colors

$Y_{xy}(42.5679, 0.3114, 0.2714)$

Have a look what the booklet for
Yxy(42.5679, 0.3114, 0.2714)
contains.

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Color

Yxy(42.5330, 0.3118, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	CCA0D0
RGB	204, 160, 208
RGB Percent	80%, 63%, 82%
CMY	0.1999, 0.3726, 0.1842
CMYK	0.02, 0.23, 0.00, 0.18
HSL	295°, 34%, 72%
HSV	295°, 23%, 82%
XYZ	48.8644, 42.5330, 65.3197
YIQ	178.6280, 10.8160, 24.2560

Conversions

Conversions Part 2

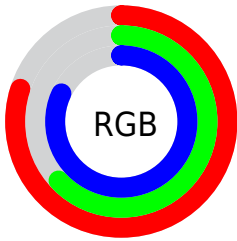
Format	Color
R_{YB}	204, 160, 208
Decimal	13410512
CIE _{Lab}	71.24, 24.53, -18.27
CIE _{LCh}	71, 30.584, 323.319
Yxy	42.5330, 0.3118, 0.2714
Android (android.graphics.Color)	4291600592 (0xFFCCA0D0)
YUV	178.6280, 14.4804, 22.2512
Hunter-Lab	65.2173, 19.6116, -13.7309

Details

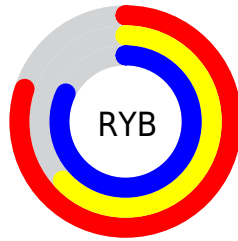
The Yxy color $42.5330, 0.3118, 0.2714$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $55.5491, 0.3127, 0.3928$, and the grayscale version is $44.7905, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.0809, 0.3145, 0.2900$, and $19.4478, 0.3099, 0.2555$ is the 20% darker color. If you saturate the color by 10%, you get $35.6733, 0.3110, 0.2461$, and if you desaturate by 10%, it is $50.6057, 0.3123, 0.2968$.

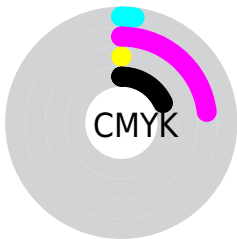
Distribution



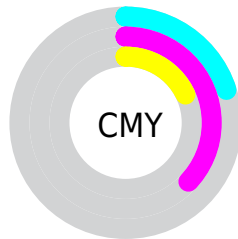
- Red (80%)
- Green (63%)
- Blue (82%)



- Red (80%)
- Yellow (63%)
- Blue (82%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (18%)





- Cyan (20%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5330, 0.3118, 0.2714 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 42.5330, 0.3118, 0.2714 by changing the saturation by 10% instead.


 42.5330, 0.3118,
0.2714


 42.5330, 0.3118,
0.2714


356.6877, 0.3128,
0.2993

 29.5189, 0.3114,
0.2647


 79.0057, 0.3123,
0.2813

 19.4737, 0.3108,
0.2563


 103.2330, 0.3124,
0.2851

 12.0131, 0.3099,
0.2454


131.9668, 0.3125,
0.2884

 6.7526, 0.3084,
0.2307

165.5916, 0.3126,
0.2911

 3.3078, 0.3057,
0.2099

204.4917, 0.3127,
0.2936

 1.2945, 0.3000,
0.1787

249.0514, 0.3127,

 0.1369, 0.3076,

0.2957

0.0578

299.6553, 0.3127,
0.2976

0.0000, 0.0000,
0.0000

42.5330, 0.3118,
0.2714

42.5330, 0.3118,
0.2714

35.6733, 0.3110,
0.2461

50.6057, 0.3123,
0.2968

29.9611, 0.3100,
0.2218

59.9418, 0.3127,
0.3216

25.3332, 0.3087,
0.1994

70.5954, 0.3128,
0.3452

21.7177, 0.3072,
0.1799

82.6159, 0.3128,
0.3674

19.0344, 0.3054,
0.1642

90.1720, 0.3132,
0.3791

■ 17.1909, 0.3034,
0.1527

■ 90.4315, 0.3143,
0.3790

■ 16.0755, 0.3014,
0.1456

■ 90.6937, 0.3154,
0.3788

■ 15.5958, 0.2999,
0.1426

■ 90.9587, 0.3165,
0.3787

■ 91.2264, 0.3176,
0.3785

Harmonies

Analogous

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



42.5330, 0.2704, 0.2587



42.5330, 0.3118, 0.2714



42.5330, 0.3563, 0.2969

Triad

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



42.5330, 0.3118, 0.2714



42.5330, 0.3863, 0.3951



42.5330, 0.2408, 0.3198

Complementary

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



42.5330, 0.3118, 0.2714



55.5491, 0.3127, 0.3928

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.



42.5330, 0.2683, 0.3634



42.5330, 0.3118, 0.2714



42.5330, 0.3521, 0.4086

Square

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



42.5330, 0.3118, 0.2714



42.5330, 0.4008, 0.3657



42.5330, 0.3087, 0.3977



42.5330, 0.2318, 0.2832

Rectangle

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



42.5330, 0.3118, 0.2714



42.5330, 0.3807, 0.3187



42.5330, 0.3087, 0.3977



42.5330, 0.2481, 0.3343

Sweetspot

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



42.5348, 0.3118, 0.2714



88.8549, 0.3125, 0.3118



38.5766, 0.2742, 0.2701



18.8233, 0.3125, 0.3103



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.



42.5348, 0.3118, 0.2714



61.4867, 0.3114, 0.2581



42.1825, 0.3332, 0.2949



11.9570, 0.3125, 0.3060



9.7388, 0.3003, 0.1428



0.5596, 0.3043, 0.1450

Inverse Universe

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



41.2312, 0.3560, 0.3241



59.0724, 0.3693, 0.3230



55.8886, 0.2965, 0.3658



11.8240, 0.3278, 0.3271



8.3895, 0.6301, 0.3245



0.4747, 0.6007, 0.3083

Previews

White Background



This preview shows how the Yxy color 42.5330, 0.3118, 0.2714 looks on a white background.

Color Contrast Check

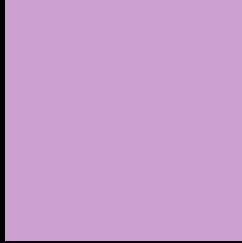
Large Text (above 18pt) WCAG AA × Fail

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 42.5330, 0.3118, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

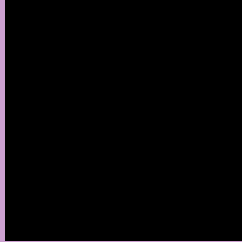
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5330, 0.3118, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 42.5330, 0.3118, 0.2714.



This preview shows how white text looks on a background with the Yxy color 42.5330, 0.3118, 0.2714.

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

42.5330, 0.3118, 0.2714

Protanopia

42.7894, 0.2721, 0.2722

Deuteranopia

42.8122, 0.2892, 0.2839



Tritanopia

42.4040, 0.3341, 0.3126

Trichromacy



Original Color

42.5330, 0.3118, 0.2714

Protanomaly

42.4440, 0.2856, 0.2710

Deuteranomaly

42.5815, 0.2967, 0.2787

Tritanomaly

42.2860, 0.3254, 0.2967

Monochromacy



Original Color

42.5330, 0.3118, 0.2714

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.9141, 0.3120, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5330, 0.3118, 0.2714 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, 160, 208)` looks like.

```
.text, #text, p{  
    color:rgb(204, 160, 208)  
}
```

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, 160, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 160, 208) }
```

Border

The CSS property to change the border of an element to Yxy 42.5330, 0.3118, 0.2714 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, 160, 208) }
```

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

```
.border{ border-color:rgb(204, 160, 208) }
```

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

Here you see how a box with a 4 pixel rgb(204, 160, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 160, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 160, 208);  
box-shadow:4px 4px 4px 4px rgb(204, 160,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5330, 0.3118, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 160, 208) }
```

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

```
.background{ background-color: rgb(204,  
160, 208) }
```

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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