

Converting Colors

$Y_{xy}(29.4892, 0.3496, 0.2738)$

Have a look what the booklet for
Yxy(29.4892, 0.3496, 0.2738)
contains.

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Color

Yxy(29.5002, 0.3492, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	C67DA8
RGB	198, 125, 168
RGB Percent	78%, 49%, 66%
CMY	0.2235, 0.5098, 0.3412
CMYK	0.00, 0.37, 0.15, 0.22
HSL	325°, 39%, 63%
HSV	325°, 37%, 78%
XYZ	37.6929, 29.5002, 40.7476
YIQ	151.7290, 29.7050, 28.8490

Conversions

Conversions Part 2

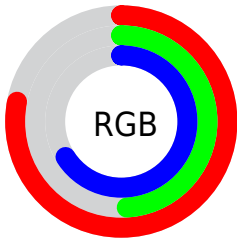
Format	Color
R_{YB}	198, 125, 168
Decimal	13008296
CIE _{Lab}	61.22, 34.50, -10.99
CIE _{LCh}	61, 36.208, 342.334
Yxy	29.5002, 0.3492, 0.2733
Android (android.graphics.Color)	4291198376 (0xFFC67DA8)
YUV	151.7290, 8.0216, 40.5797
Hunter-Lab	54.3141, 28.8258, -6.4608

Details

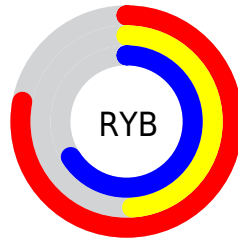
The Yxy color **29.5002, 0.3492, 0.2733** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.1240, 0.2881, 0.3927**, and the grayscale version is **31.2324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8279, 0.3415, 0.2843**, and **11.9982, 0.3612, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **24.6840, 0.3633, 0.2585**, and if you desaturate by 10%, it is **35.3376, 0.3370, 0.2888**.

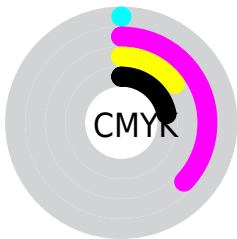
Distribution



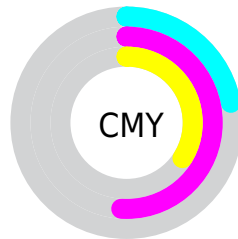
- Red (78%)
- Green (49%)
- Blue (66%)



- Red (78%)
- Yellow (49%)
- Blue (66%)



- Cyan (0%)
- Magenta (37%)
- Yellow (15%)
- Black (22%)



- Cyan (22%)
- Magenta (51%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5002, 0.3492, 0.2733 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 29.5002, 0.3492, 0.2733 by changing the saturation by 10% instead.


 29.5002, 0.3492,
0.2733


 29.5002, 0.3492,
0.2733


299.5678, 0.3302,
0.3020


 19.4595, 0.3542,
0.2659


 58.8709, 0.3421,
0.2839

 12.0028, 0.3607,
0.2563


 78.9697, 0.3395,
0.2878

 6.7456, 0.3697,
0.2432


 103.1900, 0.3373,
0.2911

 3.3035, 0.3828,
0.2245

131.9162, 0.3355,
0.2939

 1.2922, 0.4034,
0.1958

165.5326, 0.3339,
0.2964

 0.1351, 0.4820,
0.0666

204.4238, 0.3325,

 0.0000, 0.0000,

0.2985

0.0000

248.9741, 0.3313,
0.3003

■ 29.5002, 0.3492,
0.2733

■ 29.5002, 0.3492,
0.2733

■ 24.6840, 0.3633,
0.2585

■ 35.3376, 0.3370,
0.2888

■ 20.8247, 0.3793,
0.2452

■ 42.2471, 0.3266,
0.3042

■ 17.8573, 0.3969,
0.2345

■ 50.2812, 0.3179,
0.3192

■ 15.7069, 0.4156,
0.2277


■ 59.4879, 0.3106,
0.3333

■ 14.2860, 0.4348,
0.2258


■ 69.9120, 0.3045,
0.3466

 13.4776, 0.4536,
0.2290

 81.5963, 0.2994,
0.3588

 13.2829, 0.4595,
0.2305

 88.9642, 0.2951,
0.3614

 89.4193, 0.2907,
0.3524

 89.8959, 0.2865,
0.3435

Harmonies

Analogous

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



29.5002, 0.2893, 0.2462



29.5002, 0.3492, 0.2733



29.5002, 0.4025, 0.3128

Triad

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



29.5002, 0.3492, 0.2733



29.5002, 0.3823, 0.4316



29.5002, 0.2086, 0.2823

Complementary

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



29.5002, 0.3492, 0.2733



47.1240, 0.2881, 0.3927

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.



29.5002, 0.2286, 0.3369



29.5002, 0.3492, 0.2733



29.5002, 0.3272, 0.4326

Square

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



29.5002, 0.3492, 0.2733



29.5002, 0.4207, 0.4015



29.5002, 0.2710, 0.3960



29.5002, 0.2131, 0.2480

Rectangle

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



29.5002, 0.3492, 0.2733



29.5002, 0.4242, 0.3428



29.5002, 0.2710, 0.3960



29.5002, 0.2126, 0.2987

Sweetspot

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



29.5016, 0.3492, 0.2733



82.6700, 0.3214, 0.3128



25.6348, 0.2727, 0.2263



17.2758, 0.3226, 0.3108



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.



29.5016, 0.3492, 0.2733



45.4414, 0.3600, 0.2617



28.3490, 0.3923, 0.3195



10.7400, 0.3199, 0.3155



8.6538, 0.4571, 0.2292



0.4239, 0.4213, 0.2095

Inverse Universe

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



29.5016, 0.3492, 0.2733



45.4414, 0.3600, 0.2617



48.5056, 0.2659, 0.3392



10.7400, 0.3199, 0.3155



8.6538, 0.4571, 0.2292



0.4239, 0.4213, 0.2095

Previews

White Background



This preview shows how the Yxy color 29.5002, 0.3492, 0.2733 looks on a white background.

Color Contrast Check

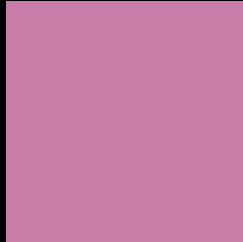
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5002, 0.3492, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

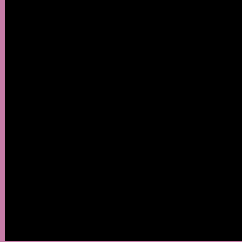
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5002, 0.3492, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 29.5002, 0.3492, 0.2733.



This preview shows how white text looks on a background with the Yxy color 29.5002, 0.3492, 0.2733.

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

29.5002, 0.3492, 0.2733

Protanopia

29.8618, 0.2742, 0.2748

Deuteranopia

29.6317, 0.3039, 0.2974



Tritanopia

29.4608, 0.3774, 0.3157

Trichromacy



Original Color

29.5002, 0.3492, 0.2733

Protanomaly

29.2567, 0.2979, 0.2726

Deuteranomaly

29.3024, 0.3200, 0.2875

Tritanomaly

29.3761, 0.3673, 0.2998

Monochromacy



Original Color

29.5002, 0.3492, 0.2733

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.2496, 0.3255, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5002, 0.3492, 0.2733 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(198, 125, 168)` looks like.

```
.text, #text, p{  
    color:rgb(198, 125, 168)  
}
```

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(198, 125, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 125, 168) }
```

Border

The CSS property to change the border of an element to Yxy 29.5002, 0.3492, 0.2733 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(198, 125, 168) }
```

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

```
.border{ border-color:rgb(198, 125, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 125, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 125, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 125, 168); box-shadow:4px 4px 4px 4px rgb(198, 125, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5002, 0.3492, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 125, 168) }
```

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

```
.background{ background-color: rgb(198,  
125, 168) }
```

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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