

Converting Colors

$Y_{xy}(28.7520, 0.3497, 0.2695)$

Have a look what the booklet for
Yxy(28.7520, 0.3497, 0.2695)
contains.

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Color

Yxy(28.7520, 0.3497, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	C67AA8
RGB	198, 122, 168
RGB Percent	78%, 48%, 66%
CMY	0.2237, 0.5215, 0.3412
CMYK	0.00, 0.38, 0.15, 0.22
HSL	324°, 40%, 63%
HSV	324°, 38%, 78%
XYZ	37.3083, 28.7520, 40.6262
YIQ	149.9680, 30.5300, 30.4180

Conversions

Conversions Part 2

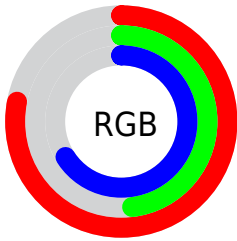
Format	Color
R _Y B	198, 122, 168
Decimal	13007528
CIE Lab	60.56, 36.08, -11.98
CIE LCh	61, 38.021, 341.634
Yxy	28.7520, 0.3497, 0.2695
Android (android.graphics.Color)	4291197608 (0xFFC67AA8)
YUV	149.9680, 8.8898, 42.1241
Hunter-Lab	53.6209, 30.3599, -7.3868

Details

The Yxy color **28.7520, 0.3497, 0.2695** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.7775, 0.2881, 0.3977**, and the grayscale version is **30.4381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6384, 0.3419, 0.2812**, and **11.6071, 0.3620, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **24.0933, 0.3635, 0.2545**, and if you desaturate by 10%, it is **34.4211, 0.3377, 0.2853**.

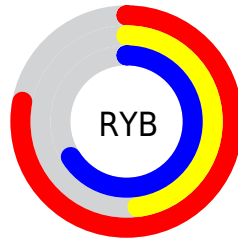
Distribution



Red (78%)

Green (48%)

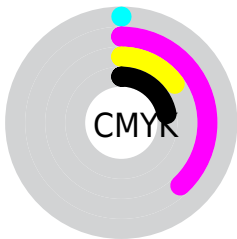
Blue (66%)



Red (78%)

Yellow (48%)

Blue (66%)

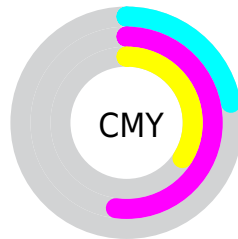


Cyan (0%)

Magenta (38%)

Yellow (15%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7520, 0.3497, 0.2695 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 28.7520, 0.3497, 0.2695 by changing the saturation by 10% instead.


 28.7520, 0.3497,
0.2695


 28.7520, 0.3497,
0.2695


296.0430, 0.3305,
0.3001

 18.8933, 0.3547,
0.2616


 57.6828, 0.3425,
0.2808

 11.5932, 0.3614,
0.2513


 77.5237, 0.3399,
0.2850

 6.4673, 0.3704,
0.2373


 101.4608, 0.3377,
0.2885

 3.1313, 0.3836,
0.2174

129.8785, 0.3358,
0.2915

 1.2006, 0.4043,
0.1870

163.1612, 0.3342,
0.2941

 0.0622, 0.4938,
0.0326

201.6932, 0.3328,

 0.0000, 0.0000,

0.2964

0.0000

245.8590, 0.3316,
0.2984

■ 28.7520, 0.3497,
0.2695

■ 28.7520, 0.3497,
0.2695

■ 24.0933, 0.3635,
0.2545

■ 34.4211, 0.3377,
0.2853

■ 20.3801, 0.3789,
0.2411

■ 41.1523, 0.3275,
0.3012

■ 17.5465, 0.3959,
0.2307


■ 48.9984, 0.3189,
0.3167

■ 15.5158, 0.4137,
0.2242


■ 58.0078, 0.3116,
0.3314


■ 14.1985, 0.4319,
0.2226


■ 68.2258, 0.3056,
0.3451


 13.4546, 0.4497,
0.2260

 79.6953, 0.3005,
0.3579

 13.3528, 0.4526,
0.2267

 88.8313, 0.2963,
0.3640

 89.2617, 0.2921,
0.3553

 89.7119, 0.2880,
0.3467

Harmonies

Analogous

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



28.7520, 0.2864, 0.2415



28.7520, 0.3497, 0.2695



28.7520, 0.4068, 0.3106

Triad

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



28.7520, 0.3497, 0.2695



28.7520, 0.3870, 0.4370



28.7520, 0.2034, 0.2804

Complementary

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



28.7520, 0.3497, 0.2695



46.7775, 0.2881, 0.3977

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.



28.7520, 0.2247, 0.3386



28.7520, 0.3497, 0.2695



28.7520, 0.3291, 0.4396

Square

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



28.7520, 0.3497, 0.2695



28.7520, 0.4273, 0.4040



28.7520, 0.2697, 0.4016



28.7520, 0.2075, 0.2440

Rectangle

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



28.7520, 0.3497, 0.2695



28.7520, 0.4303, 0.3419



28.7520, 0.2697, 0.4016



28.7520, 0.2077, 0.2978

Sweetspot

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



28.7533, 0.3497, 0.2695



81.2530, 0.3220, 0.3108



24.5935, 0.2695, 0.2214



16.9941, 0.3231, 0.3088



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.



28.7533, 0.3497, 0.2695



43.9400, 0.3610, 0.2569



27.5620, 0.3954, 0.3174



10.7430, 0.3197, 0.3151



8.7046, 0.4504, 0.2255



0.4261, 0.4164, 0.2068

Inverse Universe

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



28.7533, 0.3497, 0.2695



43.9400, 0.3610, 0.2569



48.1893, 0.2651, 0.3414



10.7430, 0.3197, 0.3151



8.7046, 0.4504, 0.2255



0.4261, 0.4164, 0.2068

Previews

White Background



This preview shows how the Yxy color 28.7520, 0.3497, 0.2695 looks on a white background.

Color Contrast Check

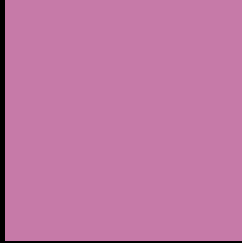
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7520, 0.3497, 0.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

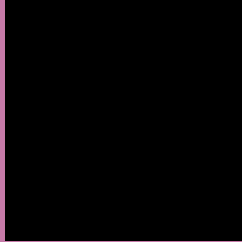
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7520, 0.3497, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 28.7520, 0.3497, 0.2695.



This preview shows how white text looks on a background with the Yxy color 28.7520, 0.3497, 0.2695.

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

28.7520, 0.3497, 0.2695

Protanopia

29.0299, 0.2705, 0.2699

Deuteranopia

29.0007, 0.3018, 0.2970



Tritanopia

28.8466, 0.3818, 0.3170

Trichromacy



Original Color

28.7520, 0.3497, 0.2695

Protanomaly

28.4766, 0.2959, 0.2693

Deuteranomaly

28.4796, 0.3191, 0.2856

Tritanomaly

28.7956, 0.3703, 0.2997

Monochromacy



Original Color

28.7520, 0.3497, 0.2695

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.4060, 0.3246, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7520, 0.3497, 0.2695 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, 122, 168)` looks like.

```
.text, #text, p{  
    color:rgb(198, 122, 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, 122, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 122, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.7520, 0.3497, 0.2695 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, 122, 168) }
```

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

```
.border{ border-color:rgb(198, 122, 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, 122, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 122, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 122, 168);  
box-shadow:4px 4px 4px 4px rgb(198, 122,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7520, 0.3497, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 122, 168) }
```

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

```
.background{ background-color: rgb(198,  
122, 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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