

Converting Colors

$Y_{xy}(37.6750, 0.3158, 0.2678)$

Have a look what the booklet for
Yxy(37.6750, 0.3158, 0.2678)
contains.

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Color

Yxy(37.7142, 0.3165, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	C795C6
RGB	199, 149, 198
RGB Percent	78%, 58%, 78%
CMY	0.2197, 0.4156, 0.2235
CMYK	0.00, 0.25, 0.00, 0.22
HSL	301°, 31%, 68%
HSV	301°, 25%, 78%
XYZ	44.4895, 37.7142, 58.3635
YIQ	169.5360, 14.0710, 25.8390

Conversions

Conversions Part 2

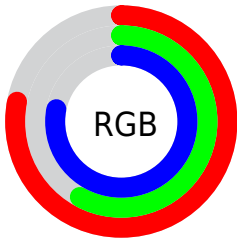
Format	Color
R_{YB}	199, 149, 198
Decimal	13080006
CIE _{Lab}	67.81, 26.97, -17.96
CIE _{LCh}	68, 32.407, 326.333
Yxy	37.7142, 0.3165, 0.2683
Android (android.graphics.Color)	4291270086 (0xFFC795C6)
YUV	169.5360, 14.0328, 25.8399
Hunter-Lab	61.4119, 21.8426, -13.3586

Details

The Yxy color $37.7142, 0.3165, 0.2683$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $49.4293, 0.3087, 0.3982$, and the grayscale version is $39.8799, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.6657, 0.3151, 0.2792$, and $16.6783, 0.3163, 0.2524$ is the 20% darker color. If you saturate the color by 10%, you get $31.9298, 0.3181, 0.2444$, and if you desaturate by 10%, it is $44.5776, 0.3149, 0.2927$.

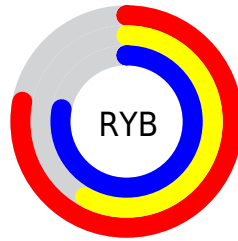
Distribution



Red (78%)

Green (58%)

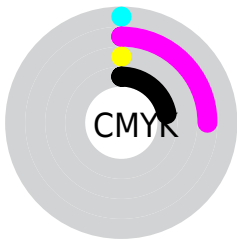
Blue (78%)



Red (78%)

Yellow (58%)

Blue (78%)

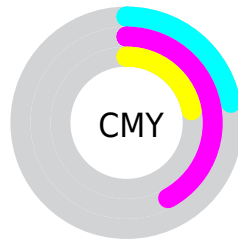


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (42%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7142, 0.3165, 0.2683 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 37.7142, 0.3165, 0.2683 by changing the saturation by 10% instead.


 37.7142, 0.3165,
0.2683


 37.7142, 0.3165,
0.2683


336.3924, 0.3152,
0.2982

 25.7609, 0.3167,
0.2610


 71.6699, 0.3161,
0.2790

 16.6449, 0.3168,
0.2517


 94.4411, 0.3160,
0.2831

 9.9816, 0.3168,
0.2396


121.5871, 0.3158,
0.2866

 5.3868, 0.3164,
0.2230

153.4922, 0.3156,
0.2895

 2.4759, 0.3151,
0.1992

190.5409, 0.3155,
0.2921

 0.8646, 0.3113,
0.1626

233.1176, 0.3154,


 0.0000, 0.3013,


0.2944


0.0000


281.6066, 0.3153,
0.2964


 0.0000, 0.0000,
0.0000


 37.7142, 0.3165,
0.2683


 37.7142, 0.3165,
0.2683

 31.9298, 0.3181,
0.2444


 44.5776, 0.3149,
0.2927


 27.1648, 0.3197,
0.2218


 52.5657, 0.3134,
0.3169


 23.3614, 0.3212,
0.2017

 61.7278, 0.3120,
0.3403

 20.4539, 0.3226,
0.1847

 72.1088, 0.3108,
0.3624

 18.3685, 0.3238,
0.1717

 83.7510, 0.3096,
0.3830

■ 17.0199, 0.3247,
0.1629

■ 87.8447, 0.3091,
0.3891

■ 16.3038, 0.3255,
0.1583

■ 87.8629, 0.3089,
0.3887

■ 16.0840, 0.3259,
0.1569

■ 87.8811, 0.3087,
0.3883

■ 87.8994, 0.3084,
0.3878

Harmonies

Analogous

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



37.7142, 0.2702, 0.2529



37.7142, 0.3165, 0.2683



37.7142, 0.3652, 0.2971

Triad

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



37.7142, 0.3165, 0.2683



37.7142, 0.3905, 0.4039



37.7142, 0.2320, 0.3138

Complementary

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



37.7142, 0.3165, 0.2683



49.4293, 0.3087, 0.3982

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.



37.7142, 0.2599, 0.3623



37.7142, 0.3165, 0.2683



37.7142, 0.3511, 0.4172

Square

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



37.7142, 0.3165, 0.2683



37.7142, 0.4094, 0.3724



37.7142, 0.3031, 0.4025



37.7142, 0.2244, 0.2751

Rectangle

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



37.7142, 0.3165, 0.2683



37.7142, 0.3911, 0.3212



37.7142, 0.3031, 0.4025



37.7142, 0.2392, 0.3296

Sweetspot

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



37.7159, 0.3165, 0.2683



87.6423, 0.3139, 0.3097



32.0912, 0.2707, 0.2585



18.2939, 0.3141, 0.3060



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.



37.7159, 0.3165, 0.2683



60.4246, 0.3173, 0.2554



36.6618, 0.3403, 0.2980



10.8129, 0.3141, 0.3067



10.3465, 0.3258, 0.1568



0.4911, 0.3247, 0.1562

Inverse Universe

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



37.7159, 0.3165, 0.2683



60.4246, 0.3173, 0.2554



50.3161, 0.2918, 0.3623



10.8129, 0.3141, 0.3067



10.3465, 0.3258, 0.1568



0.4911, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 37.7142, 0.3165, 0.2683 looks on a white background.

Color Contrast Check

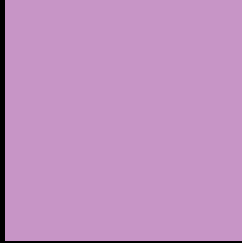
Large Text (above 18pt) WCAG AA × Fail

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 37.7142, 0.3165, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

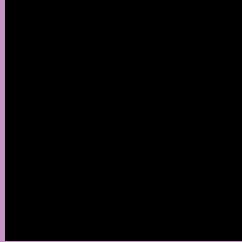
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7142, 0.3165, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 37.7142, 0.3165, 0.2683.



This preview shows how white text looks on a background with the Yxy color 37.7142, 0.3165, 0.2683.

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

37.7142, 0.3165, 0.2683

Protanopia

38.0735, 0.2703, 0.2695

Deuteranopia

38.0417, 0.2889, 0.2831



Tritanopia

37.8348, 0.3413, 0.3134

Trichromacy



Original Color

37.7142, 0.3165, 0.2683

Protanomaly

37.8138, 0.2859, 0.2697

Deuteranomaly

37.7289, 0.2985, 0.2766

Tritanomaly

37.7326, 0.3320, 0.2969

Monochromacy



Original Color

37.7142, 0.3165, 0.2683

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

38.9597, 0.3148, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7142, 0.3165, 0.2683 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(199, 149, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 149, 198)  
}
```

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(199, 149, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 149, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.7142, 0.3165, 0.2683 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(199, 149, 198) }
```

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

```
.border{ border-color:rgb(199, 149, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 149, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 149, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 149, 198);  
box-shadow:4px 4px 4px 4px rgb(199, 149,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7142, 0.3165, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 149, 198) }
```

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

```
.background{ background-color: rgb(199,  
149, 198) }
```

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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