

Converting Colors

$Y_{xy}(40.1810, 0.3125, 0.2693)$

Have a look what the booklet for
Yxy(40.1810, 0.3125, 0.2693)
contains.

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Color

Yxy(40.2198, 0.3127, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	C99BCC
RGB	201, 155, 204
RGB Percent	79%, 61%, 80%
CMY	0.2119, 0.3921, 0.2000
CMYK	0.01, 0.24, 0.00, 0.20
HSL	296°, 32%, 70%
HSV	296°, 24%, 80%
XYZ	46.7016, 40.2198, 62.4281
YIQ	174.3400, 11.6870, 24.9910

Conversions

Conversions Part 2

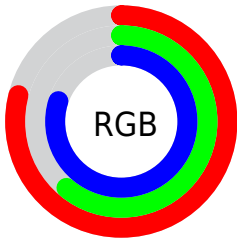
Format	Color
R _Y B	201, 155, 204
Decimal	13212620
CIE Lab	69.63, 25.47, -18.52
CIE LCh	70, 31.494, 323.980
Yxy	40.2198, 0.3127, 0.2693
Android (android.graphics.Color)	4291402700 (0xFFC99BCC)
YUV	174.3400, 14.6224, 23.3808
Hunter-Lab	63.4191, 20.4633, -13.9701

Details

The Yxy color $40.2198, 0.3127, 0.2693$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $52.8269, 0.3118, 0.3958$, and the grayscale version is $42.4303, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.5732, 0.3148, 0.2851$, and $18.0135, 0.3111, 0.2523$ is the 20% darker color. If you saturate the color by 10%, you get $33.8203, 0.3124, 0.2443$, and if you desaturate by 10%, it is $47.7713, 0.3128, 0.2946$.

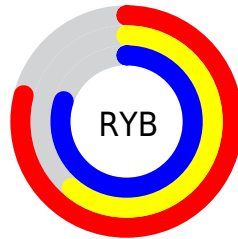
Distribution



Red (79%)

Green (61%)

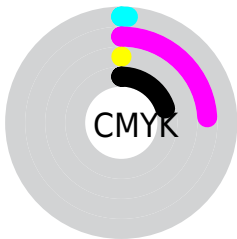
Blue (80%)



Red (79%)

Yellow (61%)

Blue (80%)

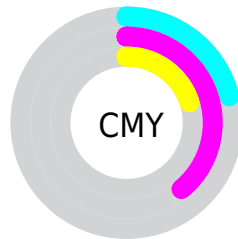


Cyan (1%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (21%)


Magenta (39%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2198, 0.3127, 0.2693 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 40.2198, 0.3127, 0.2693 by changing the saturation by 10% instead.


 40.2198, 0.3127,
0.2693


 40.2198, 0.3127,
0.2693


347.0491, 0.3133,
0.2984

 27.7100, 0.3124,
0.2623


 75.4981, 0.3130,
0.2797

 18.1071, 0.3119,
0.2534


 99.0354, 0.3131,
0.2837

 11.0269, 0.3111,
0.2418


127.0172, 0.3132,
0.2871

 6.0850, 0.3097,
0.2261

159.8280, 0.3132,
0.2900

 2.8968, 0.3070,
0.2038

197.8522, 0.3132,
0.2925

 1.0781, 0.3011,
0.1700

241.4742, 0.3133,

 0.0000, 0.3129,

0.2947

0.0000

291.0784, 0.3133,
0.2967

0.0000, 0.0000,
0.0000

40.2198, 0.3127,
0.2693

40.2198, 0.3127,
0.2693

33.8203, 0.3124,
0.2443

47.7713, 0.3128,
0.2946

28.5099, 0.3119,
0.2204

56.5232, 0.3128,
0.3193

24.2279, 0.3112,
0.1986

66.5274, 0.3126,
0.3431

20.9052, 0.3102,
0.1799

77.8311, 0.3123,
0.3654

18.4645, 0.3091,
0.1650

89.1854, 0.3121,
0.3841

■ 16.8163, 0.3077,
0.1544

■ 89.3682, 0.3129,
0.3840

■ 15.8523, 0.3063,
0.1480

■ 89.5524, 0.3137,
0.3839

■ 15.4856, 0.3054,
0.1456

■ 89.7381, 0.3145,
0.3837

■ 89.9253, 0.3153,
0.3836

Harmonies

Analogous

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



40.2198, 0.2692, 0.2557



40.2198, 0.3127, 0.2693



40.2198, 0.3593, 0.2961

Triad

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



40.2198, 0.3127, 0.2693



40.2198, 0.3891, 0.3986



40.2198, 0.2371, 0.3182

Complementary

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



40.2198, 0.3127, 0.2693



52.8269, 0.3118, 0.3958

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.



40.2198, 0.2653, 0.3642



40.2198, 0.3127, 0.2693



40.2198, 0.3528, 0.4127

Square

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



40.2198, 0.3127, 0.2693



40.2198, 0.4051, 0.3680



40.2198, 0.3074, 0.4008



40.2198, 0.2282, 0.2801

Rectangle

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



40.2198, 0.3127, 0.2693



40.2198, 0.3848, 0.3189



40.2198, 0.3074, 0.4008



40.2198, 0.2445, 0.3334

Sweetspot

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



40.2215, 0.3127, 0.2693



88.9265, 0.3128, 0.3118



35.8803, 0.2724, 0.2664



18.8400, 0.3128, 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.



40.2215, 0.3127, 0.2693



60.6908, 0.3126, 0.2558



39.6954, 0.3349, 0.2945



11.3671, 0.3128, 0.3061



9.7619, 0.3056, 0.1457



0.5145, 0.3088, 0.1475

Inverse Universe

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



38.7561, 0.3592, 0.3253



57.8573, 0.3734, 0.3244



53.3004, 0.2954, 0.3663



11.2247, 0.3280, 0.3276



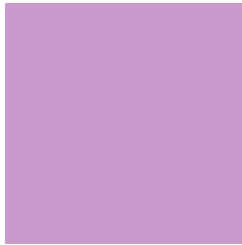
8.1025, 0.6327, 0.3259



0.4220, 0.6087, 0.3127

Previews

White Background



This preview shows how the Yxy color 40.2198, 0.3127, 0.2693 looks on a white background.

Color Contrast Check

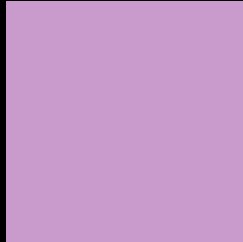
Large Text (above 18pt) WCAG AA × Fail

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 40.2198, 0.3127, 0.2693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

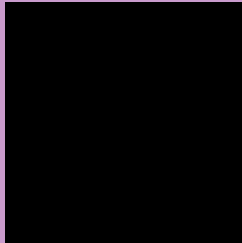
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2198, 0.3127, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 40.2198, 0.3127, 0.2693.



This preview shows how white text looks on a background with the Yxy color 40.2198, 0.3127, 0.2693.

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

40.2198, 0.3127, 0.2693

Protanopia

40.5510, 0.2705, 0.2709

Deuteranopia

40.1946, 0.2878, 0.2816



Tritanopia

40.3772, 0.3365, 0.3136

Trichromacy



Original Color

40.2198, 0.3127, 0.2693

Protanomaly

40.2027, 0.2842, 0.2697

Deuteranomaly

40.0975, 0.2964, 0.2764

Tritanomaly

40.2627, 0.3275, 0.2974

Monochromacy



Original Color

40.2198, 0.3127, 0.2693

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.3306, 0.3129, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2198, 0.3127, 0.2693 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(201, 155, 204)` looks like.

```
.text, #text, p{  
    color:rgb(201, 155, 204)  
}
```

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(201, 155, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 155, 204) }
```

Border

The CSS property to change the border of an element to Yxy 40.2198, 0.3127, 0.2693 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(201, 155, 204) }
```

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

```
.border{ border-color:rgb(201, 155, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 155, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 155, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 155, 204);  
box-shadow:4px 4px 4px 4px rgb(201, 155,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2198, 0.3127, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 155, 204) }
```

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

```
.background{ background-color: rgb(201,  
155, 204) }
```

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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