

Converting Colors

$Y_{xy}(40.2219, 0.3152, 0.2789)$

Have a look what the booklet for
Yxy(40.2219, 0.3152, 0.2789)
contains.

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Color

Yxy(40.1969, 0.3151, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	C69DC6
RGB	198, 157, 198
RGB Percent	78%, 62%, 78%
CMY	0.2234, 0.3843, 0.2234
CMYK	0.00, 0.21, 0.00, 0.22
HSL	300°, 26%, 70%
HSV	300°, 21%, 78%
XYZ	45.5449, 40.1969, 58.7993
YIQ	173.9330, 11.2750, 21.4430

Conversions

Conversions Part 2

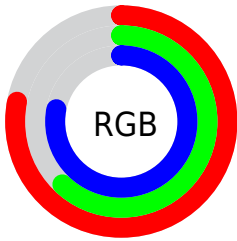
Format	Color
R _Y B	198, 157, 198
Decimal	13016518
CIE Lab	69.61, 22.26, -15.26
CIE LCh	70, 26.989, 325.557
Yxy	40.1969, 0.3151, 0.2781
Android (android.graphics.Color)	4291206598 (0xFFC69DC6)
YUV	173.9330, 11.8650, 21.1068
Hunter-Lab	63.4010, 17.2759, -10.6060

Details

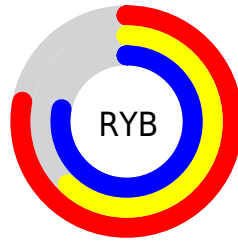
The Yxy color **40.1969, 0.3151, 0.2781** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.0018, 0.3101, 0.3858**, and the grayscale version is **42.2269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **18.0461, 0.3158, 0.2640** is the 20% darker color. If you saturate the color by 10%, you get **34.0323, 0.3163, 0.2535**, and if you desaturate by 10%, it is **47.4509, 0.3139, 0.3029**.

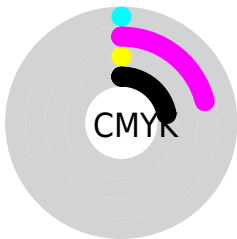
Distribution



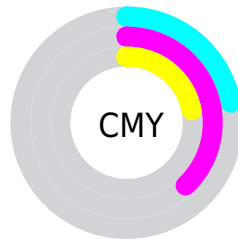
- Red (78%)
- Green (62%)
- Blue (78%)



- Red (78%)
- Yellow (62%)
- Blue (78%)



- Cyan (0%)
- Magenta (21%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1969, 0.3151, 0.2781 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 40.1969, 0.3151, 0.2781 by changing the saturation by 10% instead.


 40.1969, 0.3151,
0.2781


 40.1969, 0.3151,
0.2781


346.9528, 0.3143,
0.3031

 27.6921, 0.3152,
0.2720


 75.4633, 0.3149,
0.2871

 18.0937, 0.3152,
0.2642


 98.9936, 0.3148,
0.2905

 11.0173, 0.3151,
0.2540


126.9679, 0.3147,
0.2934

 6.0785, 0.3148,
0.2401

159.7706, 0.3146,
0.2959

 2.8928, 0.3138,
0.2200

197.7860, 0.3145,
0.2981

 1.0760, 0.3110,
0.1886

241.3986, 0.3144,

 0.0000, 0.3297,

0.3000

0.0000

290.9927, 0.3144,
0.3016

0.0000, 0.0000,
0.0000

40.1969, 0.3151,
0.2781

40.1969, 0.3151,
0.2781

34.0323, 0.3163,
0.2535

47.4509, 0.3139,
0.3029

28.8997, 0.3174,
0.2299

55.8379, 0.3128,
0.3273

24.7442, 0.3184,
0.2083

65.4052, 0.3117,
0.3506

21.5039, 0.3192,
0.1897

76.1962, 0.3107,
0.3725

19.1098, 0.3199,
0.1747

87.6085, 0.3098,
0.3919

■ 17.4830, 0.3204,
0.1639

■ 87.6088, 0.3098,
0.3919

■ 16.5300, 0.3207,
0.1573

■ 87.6091, 0.3098,
0.3919

■ 16.0848, 0.3209,
0.1541

■ 87.6093, 0.3098,
0.3919

■ 87.6096, 0.3098,
0.3919

Harmonies

Analogous

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



40.1969, 0.2771, 0.2656



40.1969, 0.3151, 0.2781



40.1969, 0.3547, 0.3021

Triad

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



40.1969, 0.3151, 0.2781



40.1969, 0.3773, 0.3903



40.1969, 0.2465, 0.3183

Complementary

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



40.1969, 0.3151, 0.2781



50.0018, 0.3101, 0.3858

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.



40.1969, 0.2704, 0.3571



40.1969, 0.3151, 0.2781



40.1969, 0.3457, 0.4004

Square

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



40.1969, 0.3151, 0.2781



40.1969, 0.3917, 0.3649



40.1969, 0.3065, 0.3886



40.1969, 0.2395, 0.2860

Rectangle

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



40.1969, 0.3151, 0.2781



40.1969, 0.3758, 0.3223



40.1969, 0.3065, 0.3886



40.1969, 0.2527, 0.3311

Sweetspot

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



40.1987, 0.3151, 0.2781



90.6234, 0.3134, 0.3143



35.5894, 0.2785, 0.2732



19.1885, 0.3135, 0.3127



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.



40.1987, 0.3151, 0.2781



65.8495, 0.3156, 0.2666



39.3430, 0.3332, 0.3020



10.8166, 0.3138, 0.3062



10.4574, 0.3209, 0.1541



0.4952, 0.3209, 0.1541

Inverse Universe

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



38.5551, 0.3537, 0.3291



62.4036, 0.3658, 0.3292



50.7347, 0.2963, 0.3577



10.6370, 0.3290, 0.3290



7.8077, 0.6401, 0.3300



0.3697, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 40.1969, 0.3151, 0.2781 looks on a white background.

Color Contrast Check

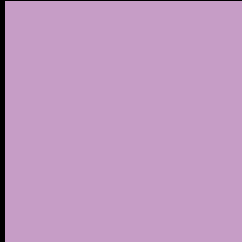
Large Text (above 18pt) WCAG AA × Fail

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 40.1969, 0.3151, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

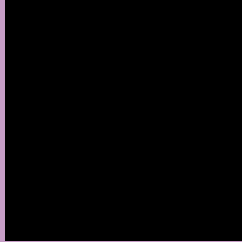
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1969, 0.3151, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 40.1969, 0.3151, 0.2781.



This preview shows how white text looks on a background with the Yxy color 40.1969, 0.3151, 0.2781.

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

40.1969, 0.3151, 0.2781

Protanopia

40.5135, 0.2778, 0.2797

Deuteranopia

40.2566, 0.2951, 0.2893



Tritanopia

40.1478, 0.3336, 0.3123

Trichromacy



Original Color

40.1969, 0.3151, 0.2781

Protanomaly

40.3360, 0.2904, 0.2795

Deuteranomaly

40.2929, 0.3021, 0.2851

Tritanomaly

40.2963, 0.3264, 0.2997

Monochromacy



Original Color

40.1969, 0.3151, 0.2781

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4914, 0.3136, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1969, 0.3151, 0.2781 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, 157, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 157, 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(198, 157, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 157, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.1969, 0.3151, 0.2781 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, 157, 198) }
```

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

```
.border{ border-color:rgb(198, 157, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 157, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 157, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 157, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 157,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1969, 0.3151, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 157, 198) }
```

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

```
.background{ background-color: rgb(198,  
157, 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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