

Converting Colors

$Y_{xy}(40.0603, 0.3185, 0.2749)$

Have a look what the booklet for
Yxy(40.0603, 0.3185, 0.2749)
contains.

Yxy(40.1228, 0.3181, 0.2751)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.1228, 0.3181, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	CA9BC7
RGB	202, 155, 199
RGB Percent	79%, 61%, 78%
CMY	0.2077, 0.3922, 0.2196
CMYK	0.00, 0.23, 0.02, 0.21
HSL	304°, 31%, 70%
HSV	304°, 23%, 79%
XYZ	46.3943, 40.1228, 59.3310
YIQ	174.0690, 13.8880, 23.6480

Conversions

Conversions Part 2

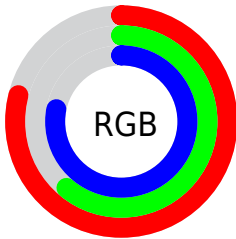
Format	Color
R_{YB}	202, 155, 199
Decimal	13278151
CIE _{Lab}	69.56, 24.90, -15.84
CIE _{LCh}	70, 29.516, 327.532
Yxy	40.1228, 0.3181, 0.2751
Android (android.graphics.Color)	4291468231 (0xFFCA9BC7)
YUV	174.0690, 12.2910, 24.4955
Hunter-Lab	63.3426, 19.8900, -11.1953

Details

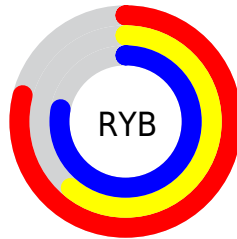
The Yxy color $40.1228, 0.3181, 0.2751$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $51.6955, 0.3076, 0.3896$, and the grayscale version is $42.2971, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.5732, 0.3148, 0.2851$, and $17.9479, 0.3186, 0.2600$ is the 20% darker color. If you saturate the color by 10%, you get $33.8932, 0.3207, 0.2519$, and if you desaturate by 10%, it is $47.4815, 0.3156, 0.2986$.

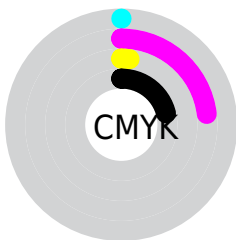
Distribution



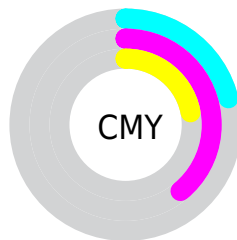
- Red (79%)
- Green (61%)
- Blue (78%)



- Red (79%)
- Yellow (61%)
- Blue (78%)



- Cyan (0%)
- Magenta (23%)
- Yellow (2%)
- Black (21%)




- Cyan (21%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1228, 0.3181, 0.2751 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 40.1228, 0.3181, 0.2751 by changing the saturation by 10% instead.


 40.1228, 0.3181,
0.2751


 40.1228, 0.3181,
0.2751


346.6409, 0.3158,
0.3015

 27.6343, 0.3185,
0.2687


 75.3505, 0.3174,
0.2846

 18.0502, 0.3190,
0.2605


 98.8584, 0.3171,
0.2882

 10.9860, 0.3195,
0.2499


126.8083, 0.3168,
0.2912

 6.0574, 0.3200,
0.2353

159.5846, 0.3166,
0.2939

 2.8800, 0.3202,
0.2144

197.5716, 0.3164,
0.2962

 1.0694, 0.3192,
0.1822

241.1537, 0.3162,

 0.0000, 0.3468,

0.2982

0.0000

290.7153, 0.3160,
0.3000

0.0000, 0.0000,
0.0000

40.1228, 0.3181,
0.2751

40.1228, 0.3181,
0.2751

33.8932, 0.3207,
0.2519

47.4815, 0.3156,
0.2986

28.7315, 0.3235,
0.2297

56.0160, 0.3134,
0.3216

24.5787, 0.3263,
0.2096

65.7769, 0.3114,
0.3437

21.3679, 0.3291,
0.1925

76.8103, 0.3096,
0.3646

19.0243, 0.3318,
0.1791

88.5147, 0.3081,
0.3829

■ 17.4617, 0.3343,
0.1699

■ 88.5782, 0.3074,
0.3815

■ 16.5761, 0.3365,
0.1650

■ 88.6422, 0.3066,
0.3800

■ 16.2355, 0.3379,
0.1635

■ 88.7067, 0.3059,
0.3785

■ 88.7718, 0.3052,
0.3771

Harmonies

Analogous

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



40.1228, 0.2762, 0.2606



40.1228, 0.3181, 0.2751



40.1228, 0.3612, 0.3017

Triad

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



40.1228, 0.3181, 0.2751



40.1228, 0.3814, 0.3971



40.1228, 0.2395, 0.3143

Complementary

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



40.1228, 0.3181, 0.2751



51.6955, 0.3076, 0.3896

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.



40.1228, 0.2643, 0.3570



40.1228, 0.3181, 0.2751



40.1228, 0.3458, 0.4074

Square

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



40.1228, 0.3181, 0.2751



40.1228, 0.3989, 0.3699



40.1228, 0.3028, 0.3929



40.1228, 0.2333, 0.2800

Rectangle

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



40.1228, 0.3181, 0.2751



40.1228, 0.3837, 0.3238



40.1228, 0.3028, 0.3929



40.1228, 0.2458, 0.3282

Sweetspot

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



40.1246, 0.3181, 0.2751



89.0613, 0.3142, 0.3129



34.9080, 0.2755, 0.2645



18.8713, 0.3144, 0.3115



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.



40.1246, 0.3181, 0.2751



62.3016, 0.3194, 0.2632



39.1420, 0.3394, 0.3023



11.3908, 0.3147, 0.3076



10.4482, 0.3377, 0.1634



0.5429, 0.3341, 0.1614

Inverse Universe

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



40.1246, 0.3181, 0.2751



62.3016, 0.3194, 0.2632



52.5566, 0.2922, 0.3574



11.3908, 0.3147, 0.3076



10.4482, 0.3377, 0.1634



0.5429, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 40.1228, 0.3181, 0.2751 looks on a white background.

Color Contrast Check

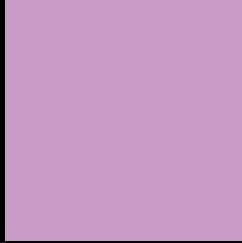
Large Text (above 18pt) WCAG AA × Fail

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 40.1228, 0.3181, 0.2751 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 40.1228, 0.3181, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 40.1228, 0.3181, 0.2751.



This preview shows how white text looks on a background with the Yxy color 40.1228, 0.3181, 0.2751.

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

40.1228, 0.3181, 0.2751

Protanopia

40.5071, 0.2755, 0.2772

Deuteranopia

40.3023, 0.2943, 0.2881



Tritanopia

40.1259, 0.3385, 0.3137

Trichromacy



Original Color

40.1228, 0.3181, 0.2751

Protanomaly

40.1888, 0.2897, 0.2759

Deuteranomaly

40.1082, 0.3022, 0.2827

Tritanomaly

39.9732, 0.3304, 0.2987

Monochromacy



Original Color

40.1228, 0.3181, 0.2751

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.2467, 0.3146, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1228, 0.3181, 0.2751 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(202, 155, 199)` looks like.

```
.text, #text, p{  
    color:rgb(202, 155, 199)  
}
```

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(202, 155, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 155, 199) }
```

Border

The CSS property to change the border of an element to Yxy 40.1228, 0.3181, 0.2751 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(202, 155, 199) }
```

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

```
.border{ border-color:rgb(202, 155, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 155, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 155, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 155, 199);  
box-shadow:4px 4px 4px 4px rgb(202, 155,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1228, 0.3181, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 155, 199) }
```

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

```
.background{ background-color: rgb(202,  
155, 199) }
```

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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