

Converting Colors

$Y_{xy}(40.7450, 0.3174, 0.2837)$

Have a look what the booklet for
Yxy(40.7450, 0.3174, 0.2837)
contains.

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Color

Yxy(40.7422, 0.3176, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	C69FC3
RGB	198, 159, 195
RGB Percent	78%, 62%, 76%
CMY	0.2236, 0.3764, 0.2354
CMYK	0.00, 0.20, 0.02, 0.22
HSL	305°, 25%, 70%
HSV	305°, 20%, 78%
XYZ	45.5303, 40.7422, 57.0850
YIQ	174.7650, 11.6880, 19.4640

Conversions

Conversions Part 2

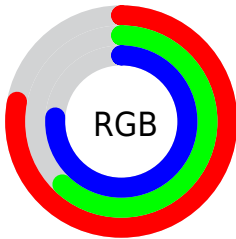
Format	Color
R _Y B	198, 159, 195
Decimal	13017027
CIE Lab	69.99, 20.56, -13.00
CIE LCh	70, 24.322, 327.685
Yxy	40.7422, 0.3176, 0.2842
Android (android.graphics.Color)	4291207107 (0xFFC69FC3)
YUV	174.7650, 9.9759, 20.3771
Hunter-Lab	63.8296, 15.6241, -8.3443

Details

The Yxy color **40.7422, 0.3176, 0.2842** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.3576, 0.3081, 0.3783**, and the grayscale version is **42.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3814, 0.3166, 0.2919**, and **18.3678, 0.3193, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **34.4024, 0.3204, 0.2611**, and if you desaturate by 10%, it is **48.1768, 0.3150, 0.3073**.

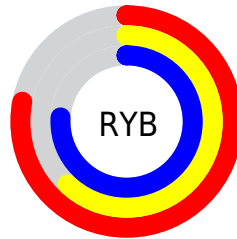
Distribution



Red (78%)

Green (62%)

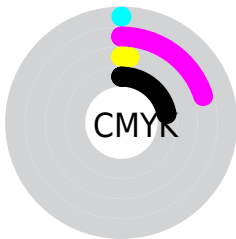
Blue (76%)



Red (78%)

Yellow (62%)

Blue (76%)

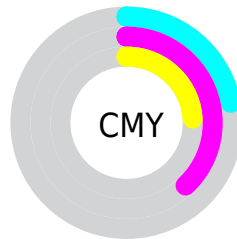


Cyan (0%)

Magenta (20%)

Yellow (2%)

Black (22%)



Cyan (22%)

Magenta (38%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7422, 0.3176, 0.2842 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 40.7422, 0.3176, 0.2842 by changing the saturation by 10% instead.

 40.7422, 0.3176,
0.2842


 40.7422, 0.3176,
0.2842


349.2420, 0.3154,
0.3063

 28.1177, 0.3180,
0.2788


 76.2924, 0.3169,
0.2922

 18.4144, 0.3186,
0.2719


 99.9869, 0.3166,
0.2952

 11.2479, 0.3192,
0.2628


128.1401, 0.3163,
0.2977

 6.2338, 0.3199,
0.2503

161.1366, 0.3161,
0.2999

 2.9878, 0.3205,
0.2322

199.3606, 0.3159,
0.3018

 1.1254, 0.3206,
0.2035

243.1966, 0.3157,

 0.0000, 0.3556,

0.3035


0.0000

293.0289, 0.3156,
0.3050

 0.0000, 0.0000,
0.0000

 40.7422, 0.3176,
0.2842


 40.7422, 0.3176,
0.2842

 34.4024, 0.3204,
0.2611

 48.1768, 0.3150,
0.3073

 29.1002, 0.3235,
0.2387


 56.7491, 0.3126,
0.3297


 24.7814, 0.3266,
0.2179

 66.5064, 0.3106,
0.3511

 21.3847, 0.3299,
0.1997

 77.4917, 0.3087,
0.3711

 18.8419, 0.3330,
0.1850

 87.8138, 0.3072,
0.3867

■ 17.0754, 0.3360,
0.1744

■ 87.8864, 0.3064,
0.3850

■ 15.9937, 0.3387,
0.1681

■ 87.9597, 0.3056,
0.3832

■ 15.4282, 0.3412,
0.1654

■ 88.0336, 0.3047,
0.3815

■ 15.4123, 0.3413,
0.1654

■ 88.1083, 0.3039,
0.3798

Harmonies

Analogous

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



40.7422, 0.2830, 0.2721



40.7422, 0.3176, 0.2842



40.7422, 0.3527, 0.3067

Triad

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



40.7422, 0.3176, 0.2842



40.7422, 0.3693, 0.3854



40.7422, 0.2520, 0.3173

Complementary

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



40.7422, 0.3176, 0.2842



50.3576, 0.3081, 0.3783

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.



40.7422, 0.2728, 0.3518



40.7422, 0.3176, 0.2842



40.7422, 0.3402, 0.3928

Square

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



40.7422, 0.3176, 0.2842



40.7422, 0.3833, 0.3637



40.7422, 0.3048, 0.3806



40.7422, 0.2467, 0.2889

Rectangle

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



40.7422, 0.3176, 0.2842



40.7422, 0.3709, 0.3253



40.7422, 0.3048, 0.3806



40.7422, 0.2574, 0.3286

Sweetspot

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



40.7440, 0.3176, 0.2842



90.5483, 0.3141, 0.3154



36.5194, 0.2825, 0.2758



19.1707, 0.3143, 0.3139



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.



40.7440, 0.3176, 0.2842



66.6760, 0.3189, 0.2733



39.9351, 0.3350, 0.3075



10.8020, 0.3149, 0.3079



10.0317, 0.3410, 0.1652



0.4793, 0.3363, 0.1627

Inverse Universe

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



40.7440, 0.3176, 0.2842



66.6760, 0.3189, 0.2733



51.0887, 0.2948, 0.3516



10.8020, 0.3149, 0.3079



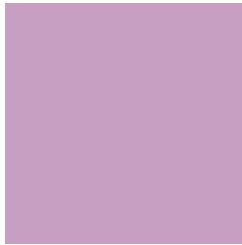
10.0317, 0.3410, 0.1652



0.4793, 0.3363, 0.1627

Previews

White Background



This preview shows how the Yxy color 40.7422, 0.3176, 0.2842 looks on a white background.

Color Contrast Check

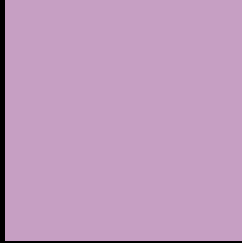
Large Text (above 18pt) WCAG AA × Fail

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 40.7422, 0.3176, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

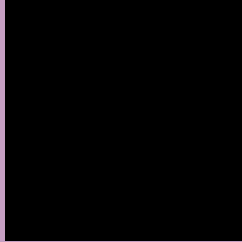
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7422, 0.3176, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 40.7422, 0.3176, 0.2842.



This preview shows how white text looks on a background with the Yxy color 40.7422, 0.3176, 0.2842.

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

40.7422, 0.3176, 0.2842

Protanopia

41.0131, 0.2831, 0.2864

Deuteranopia

40.8348, 0.3001, 0.2947



Tritanopia

40.5379, 0.3325, 0.3123

Trichromacy



Original Color

40.7422, 0.3176, 0.2842

Protanomaly

40.7431, 0.2953, 0.2859

Deuteranomaly

40.7602, 0.3064, 0.2903

Tritanomaly

40.6029, 0.3272, 0.3023

Monochromacy



Original Color

40.7422, 0.3176, 0.2842

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.8206, 0.3144, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7422, 0.3176, 0.2842 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, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(198, 159, 195)  
}
```

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, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 159, 195) }
```

Border

The CSS property to change the border of an element to Yxy 40.7422, 0.3176, 0.2842 is called "border". The border property can be set on classes, ids or directly on the HTML element.

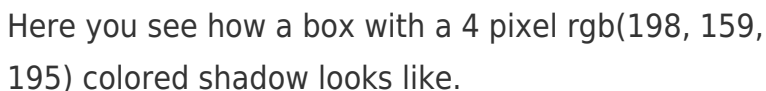
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 159, 195) }
```

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

```
.border{ border-color:rgb(198, 159, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 159, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 159, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 159, 195); box-shadow:4px 4px 4px 4px rgb(198, 159, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7422, 0.3176, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 159, 195) }
```

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

```
.background{ background-color: rgb(198,  
159, 195) }
```

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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