

Converting Colors

$Yxy(39.9172, 0.2947, 0.2709)$

Have a look what the booklet for
Yxy(39.9172, 0.2947, 0.2709)
contains.

Yxy(40.0132, 0.2948, 0.2717)	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(40.0132, 0.2948, 0.2717)

Conversions

Conversions Part 1

Format	Color
Hex	B7A1CE
RGB	183, 161, 206
RGB Percent	72%, 63%, 81%
CMY	0.2824, 0.3686, 0.1921
CMYK	0.11, 0.22, 0.00, 0.19
HSL	269°, 31%, 72%
HSV	269°, 22%, 81%
XYZ	43.4151, 40.0132, 63.8415
YIQ	172.7080, -1.3330, 18.6590

Conversions

Conversions Part 2

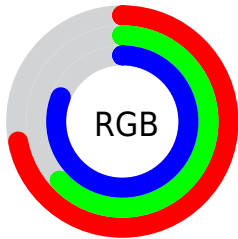
Format	Color
R _Y B	183, 161, 206
Decimal	12034510
CIE Lab	69.48, 16.62, -20.02
CIE LCh	69, 26.021, 309.709
Yxy	40.0132, 0.2948, 0.2717
Android (android.graphics.Color)	4290224590 (0xFFB7A1CE)
YUV	172.7080, 16.4130, 9.0261
Hunter-Lab	63.2560, 11.8138, -15.5596

Details

The Yxy color $40.0132, 0.2948, 0.2717$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $56.9207, 0.3276, 0.3863$, and the grayscale version is $41.5493, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.6825, 0.3034, 0.2897$, and $17.9501, 0.2890, 0.2550$ is the 20% darker color. If you saturate the color by 10%, you get $32.1535, 0.2845, 0.2427$, and if you desaturate by 10%, it is $49.1594, 0.3037, 0.2991$.

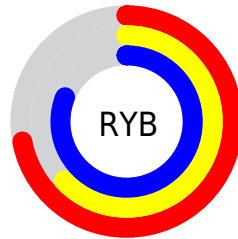
Distribution



Red (72%)

Green (63%)

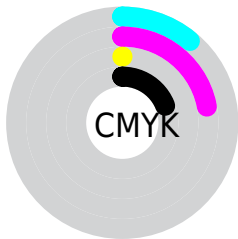
Blue (81%)



Red (72%)

Yellow (63%)

Blue (81%)

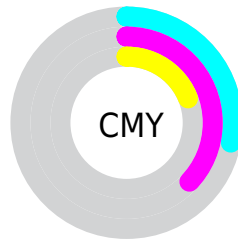


Cyan (11%)

Magenta (22%)

Yellow (0%)

Black (19%)



Cyan (28%)


Magenta (37%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0132, 0.2948, 0.2717 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 40.0132, 0.2948, 0.2717 by changing the saturation by 10% instead.


 40.0132, 0.2948,
0.2717


 40.0132, 0.2948,
0.2717


346.1792, 0.3043,
0.2999

 27.5488, 0.2923,
0.2648


 75.1836, 0.2984,
0.2818

 17.9858, 0.2890,
0.2561


 98.6585, 0.2997,
0.2857

 10.9398, 0.2844,
0.2446


126.5722, 0.3008,
0.2890

 6.0264, 0.2778,
0.2290

159.3094, 0.3017,
0.2918

 2.8611, 0.2676,
0.2066

197.2542, 0.3025,
0.2942

 1.0597, 0.2497,
0.1721

240.7912, 0.3032,

 0.0000, 0.2020,

0.2963

0.0000

290.3048, 0.3038,
0.2982

0.0000, 0.0000,
0.0000

40.0132, 0.2948,
0.2717

40.0132, 0.2948,
0.2717

32.1535, 0.2845,
0.2427

49.1594, 0.3037,
0.2991

25.5150, 0.2730,
0.2129

59.6431, 0.3114,
0.3245

20.0344, 0.2604,
0.1834

71.5187, 0.3179,
0.3477

15.6403, 0.2471,
0.1554

84.8361, 0.3234,
0.3687

12.2531, 0.2336,
0.1307

93.7559, 0.3290,
0.3790

■ 9.7818, 0.2205,
0.1104

■ 95.6099, 0.3359,
0.3779

■ 8.1179, 0.2084,
0.0957

■ 97.2373, 0.3418,
0.3770

■ 7.2040, 0.1994,
0.0872

Harmonies

Analogous

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



40.0132, 0.2628, 0.2669



40.0132, 0.2948, 0.2717



40.0132, 0.3336, 0.2896

Triad

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



40.0132, 0.2948, 0.2717



40.0132, 0.3850, 0.3767



40.0132, 0.2591, 0.3385

Complementary

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



40.0132, 0.2948, 0.2717



56.9207, 0.3276, 0.3863

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.



40.0132, 0.2893, 0.3739



40.0132, 0.2948, 0.2717



40.0132, 0.3624, 0.3952

Square

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



40.0132, 0.2948, 0.2717



40.0132, 0.3876, 0.3479



40.0132, 0.3271, 0.3952



40.0132, 0.2433, 0.3026

Rectangle

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



40.0132, 0.2948, 0.2717



40.0132, 0.3580, 0.3069



40.0132, 0.3271, 0.3952



40.0132, 0.2678, 0.3510

Sweetspot

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



40.0149, 0.2948, 0.2717



87.4447, 0.3076, 0.3115



46.4250, 0.2784, 0.3004



18.4963, 0.3071, 0.3099



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.



40.0149, 0.2948, 0.2717



58.8726, 0.2904, 0.2589



42.9659, 0.3146, 0.2750



11.1085, 0.3058, 0.3056



4.4923, 0.2009, 0.0880



0.2769, 0.2226, 0.1000

Inverse Universe

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



42.0776, 0.3348, 0.3007



62.8329, 0.3405, 0.2946



54.3824, 0.3104, 0.3894



11.3078, 0.3211, 0.3172



8.7323, 0.4894, 0.2470



0.4658, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 40.0132, 0.2948, 0.2717 looks on a white background.

Color Contrast Check

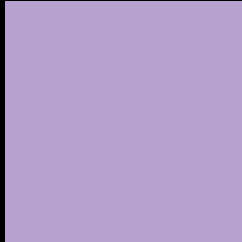
Large Text (above 18pt) WCAG AA × Fail

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 40.0132, 0.2948, 0.2717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

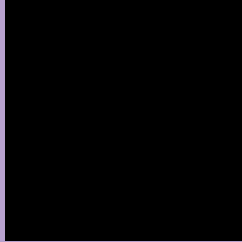
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0132, 0.2948, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 40.0132, 0.2948, 0.2717.



This preview shows how white text looks on a background with the Yxy color 40.0132, 0.2948, 0.2717.

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

40.0132, 0.2948, 0.2717

Protanopia

40.1820, 0.2726, 0.2720

Deuteranopia

40.1152, 0.2839, 0.2777



Tritanopia

40.1108, 0.3135, 0.3116

Trichromacy



Original Color

40.0132, 0.2948, 0.2717

Protanomaly

39.8385, 0.2801, 0.2714

Deuteranomaly

39.9574, 0.2880, 0.2756

Tritanomaly

39.9283, 0.3061, 0.2960

Monochromacy



Original Color

40.0132, 0.2948, 0.2717

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.2258, 0.3066, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0132, 0.2948, 0.2717 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(183, 161, 206)` looks like.

```
.text, #text, p{  
    color:rgb(183, 161, 206)  
}
```

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(183, 161, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 161, 206) }
```

Border

The CSS property to change the border of an element to Yxy 40.0132, 0.2948, 0.2717 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(183, 161, 206) }
```

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

```
.border{ border-color:rgb(183, 161, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 161, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 161, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 161, 206); box-shadow:4px 4px 4px 4px rgb(183, 161, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0132, 0.2948, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 161, 206) }
```

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

```
.background{ background-color: rgb(183,  
161, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor