

Converting Colors

$Y_{xy}(40.7134, 0.3012, 0.2822)$

Have a look what the booklet for
Yxy(40.7134, 0.3012, 0.2822)
contains.

Yxy(40.6788, 0.3014, 0.2817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6788, 0.3014, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	B9A3C8
RGB	185, 163, 200
RGB Percent	73%, 64%, 78%
CMY	0.2746, 0.3607, 0.2157
CMYK	0.08, 0.18, 0.00, 0.22
HSL	276°, 25%, 71%
HSV	276°, 18%, 78%
XYZ	43.5236, 40.6788, 60.2023
YIQ	173.7960, 1.2350, 16.1710

Conversions

Conversions Part 2

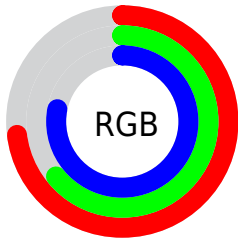
Format	Color
R_{YB}	185, 163, 200
Decimal	12166088
CIE _{Lab}	69.95, 14.91, -15.96
CIE _{LCh}	70, 21.845, 313.053
Yxy	40.6788, 0.3014, 0.2817
Android (android.graphics.Color)	4290356168 (0xFFB9A3C8)
YUV	173.7960, 12.9186, 9.8259
Hunter-Lab	63.7799, 10.1939, -11.3183

Details

The Yxy color **40.6788, 0.3014, 0.2817** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.4261, 0.3222, 0.3772**, and the grayscale version is **42.1485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0636, 0.3047, 0.2919**, and **18.3497, 0.2981, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **33.1476, 0.2938, 0.2540**, and if you desaturate by 10%, it is **49.3945, 0.3079, 0.3080**.

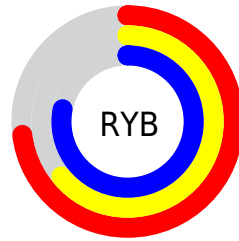
Distribution



Red (73%)

Green (64%)

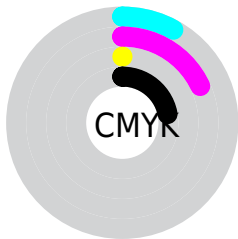
Blue (78%)



Red (73%)

Yellow (64%)

Blue (78%)

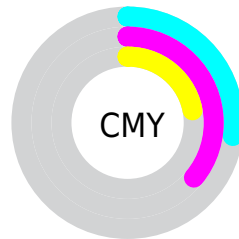


Cyan (8%)

Magenta (18%)

Yellow (0%)

Black (22%)



Cyan (27%)


Magenta (36%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6788, 0.3014, 0.2817 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 40.6788, 0.3014, 0.2817 by changing the saturation by 10% instead.


 40.6788, 0.3014,
0.2817


 40.6788, 0.3014,
0.2817


348.9764, 0.3074,
0.3051

 28.0682, 0.2998,
0.2759


 76.1961, 0.3037,
0.2901

 18.3771, 0.2976,
0.2686


 99.8715, 0.3045,
0.2933

 11.2210, 0.2947,
0.2590


128.0040, 0.3052,
0.2960

 6.2157, 0.2903,
0.2457

160.9780, 0.3058,
0.2984

 2.9767, 0.2835,
0.2264

199.1778, 0.3063,
0.3004

 1.1196, 0.2711,
0.1960

242.9879, 0.3067,

 0.0000, 0.2431,

0.3021

0.0000

292.7926, 0.3071,
0.3037

■ 0.0000, 0.0000,
0.0000

■ 40.6788, 0.3014,
0.2817

■ 40.6788, 0.3014,
0.2817

■ 33.1476, 0.2938,
0.2540

■ 49.3945, 0.3079,
0.3080

■ 26.7422, 0.2851,
0.2255

■ 59.3396, 0.3135,
0.3326

■ 21.4063, 0.2755,
0.1973

■ 70.5630, 0.3181,
0.3551

■ 17.0768, 0.2651,
0.1705

■ 83.1095, 0.3220,
0.3756

■ 13.6838, 0.2542,
0.1464

■ 91.7983, 0.3260,
0.3865

■ 11.1478, 0.2432,
0.1263

■ 93.1414, 0.3313,
0.3855

■ 9.3760, 0.2326,
0.1110

■ 94.5477, 0.3367,
0.3846

■ 8.2222, 0.2227,
0.1007

■ 96.0180, 0.3421,
0.3836

■ 8.0698, 0.2212,
0.0992

■ 96.9502, 0.3454,
0.3830

Harmonies

Analogous

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



40.6788, 0.2734, 0.2764



40.6788, 0.3014, 0.2817



40.6788, 0.3339, 0.2980

Triad

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



40.6788, 0.3014, 0.2817



40.6788, 0.3718, 0.3717



40.6788, 0.2656, 0.3336

Complementary

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



40.6788, 0.3014, 0.2817



53.4261, 0.3222, 0.3772

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.



40.6788, 0.2901, 0.3632



40.6788, 0.3014, 0.2817



40.6788, 0.3516, 0.3851

Square

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



40.6788, 0.3014, 0.2817



40.6788, 0.3758, 0.3483



40.6788, 0.3215, 0.3826



40.6788, 0.2536, 0.3045

Rectangle

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



40.6788, 0.3014, 0.2817



40.6788, 0.3535, 0.3133



40.6788, 0.3215, 0.3826



40.6788, 0.2725, 0.3440

Sweetspot

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



40.6805, 0.3014, 0.2817



89.4629, 0.3094, 0.3141



43.9698, 0.2836, 0.3002



18.9136, 0.3090, 0.3125



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.



40.6805, 0.3014, 0.2817



65.2085, 0.2986, 0.2712



42.5077, 0.3175, 0.2872



10.5933, 0.3074, 0.3058



5.1843, 0.2225, 0.1000



0.2870, 0.2429, 0.1112

Inverse Universe

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



41.6967, 0.3343, 0.3100



67.3192, 0.3398, 0.3059



51.8548, 0.3082, 0.3747



10.7072, 0.3227, 0.3196



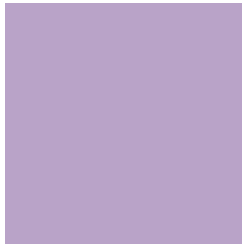
8.2052, 0.5329, 0.2709



0.4028, 0.4783, 0.2409

Previews

White Background



This preview shows how the Yxy color 40.6788, 0.3014, 0.2817 looks on a white background.

Color Contrast Check

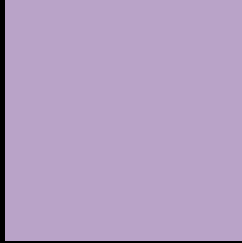
Large Text (above 18pt) WCAG AA × Fail

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 40.6788, 0.3014, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

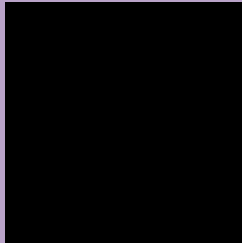
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6788, 0.3014, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 40.6788, 0.3014, 0.2817.



This preview shows how white text looks on a background with the Yxy color 40.6788, 0.3014, 0.2817.

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

40.6788, 0.3014, 0.2817

Protanopia

41.0016, 0.2809, 0.2838

Deuteranopia

40.7596, 0.2927, 0.2869



Tritanopia

40.8778, 0.3154, 0.3118

Trichromacy



Original Color

40.6788, 0.3014, 0.2817

Protanomaly

40.7199, 0.2880, 0.2818

Deuteranomaly

40.8609, 0.2961, 0.2860

Tritanomaly

40.9276, 0.3104, 0.3015

Monochromacy



Original Color

40.6788, 0.3014, 0.2817

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.6333, 0.3091, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6788, 0.3014, 0.2817 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(185, 163, 200)` looks like.

```
.text, #text, p{  
    color:rgb(185, 163, 200)  
}
```

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(185, 163, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 163, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.6788, 0.3014, 0.2817 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(185, 163, 200) }
```

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

```
.border{ border-color:rgb(185, 163, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 163, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 163, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 163, 200);  
box-shadow:4px 4px 4px 4px rgb(185, 163,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6788, 0.3014, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 163, 200) }
```

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

```
.background{ background-color: rgb(185,  
163, 200) }
```

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