

Converting Colors

$Y_{xy}(40.6221, 0.3151, 0.3183)$

Have a look what the booklet for
Yxy(40.6221, 0.3151, 0.3183)
contains.

Yxy(40.6048, 0.3150, 0.3182)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6048, 0.3150, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	B2A8B0
RGB	178, 168, 176
RGB Percent	70%, 66%, 69%
CMY	0.3021, 0.3411, 0.3097
CMYK	0.00, 0.06, 0.01, 0.30
HSL	312°, 6%, 68%
HSV	312°, 6%, 70%
XYZ	40.1965, 40.6048, 46.8065
YIQ	171.9020, 3.3920, 4.6080

Conversions

Conversions Part 2

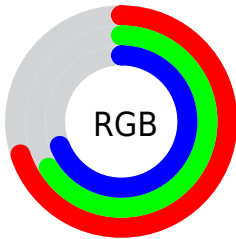
Format	Color
RYB	178, 168, 176
Decimal	11708592
CIELab	69.90, 5.06, -2.84
CIELCh	70, 5.800, 330.656
Yxy	40.6048, 0.3150, 0.3182
Android (android.graphics.Color)	4289898672 (0xFFB2A8B0)
YUV	171.9020, 2.0203, 5.3479
Hunter-Lab	63.7219, 1.0864, 1.0542

Details

The Yxy color **40.6048, 0.3150, 0.3182** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.0567, 0.3105, 0.3400**, and the grayscale version is **41.1910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0940, 0.3146, 0.3196**, and **18.3060, 0.3147, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **34.3423, 0.3196, 0.2983**, and if you desaturate by 10%, it is **47.7737, 0.3111, 0.3373**.

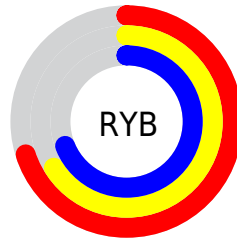
Distribution



Red (70%)

Green (66%)

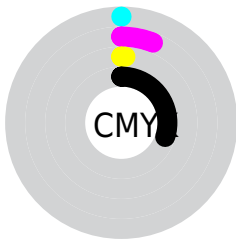
Blue (69%)



Red (70%)

Yellow (66%)

Blue (69%)

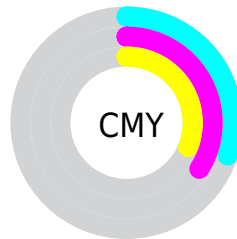


Cyan (0%)

Magenta (6%)

Yellow (1%)

Black (30%)



Cyan (30%)


Magenta (34%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6048, 0.3150, 0.3182 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 40.6048, 0.3150, 0.3182 by changing the saturation by 10% instead.


 40.6048, 0.3150,
0.3182


 40.6048, 0.3150,
0.3182


348.6662, 0.3139,
0.3237

 28.0104, 0.3153,
0.3168


 76.0836, 0.3146,
0.3202

 18.3335, 0.3157,
0.3150


 99.7368, 0.3144,
0.3210

 11.1897, 0.3162,
0.3125


127.8451, 0.3143,
0.3216

 6.1946, 0.3169,
0.3091

160.7928, 0.3142,
0.3221

 2.9638, 0.3179,
0.3037

198.9644, 0.3141,
0.3226

 1.1128, 0.3197,
0.2945

242.7442, 0.3140,

 0.0000, 0.3768,

0.3230

0.0000

292.5167, 0.3139,
0.3234

0.0000, 0.0000,
0.0000

40.6048, 0.3150,
0.3182

40.6048, 0.3150,
0.3182

34.3423, 0.3196,
0.2983

47.7737, 0.3111,
0.3373

28.9446, 0.3248,
0.2779

55.8781, 0.3077,
0.3552

24.3748, 0.3307,
0.2577

64.9521, 0.3048,
0.3720

20.5910, 0.3373,
0.2383

75.0266, 0.3024,
0.3874

17.5480, 0.3443,
0.2207

84.8504, 0.3004,
0.3996

■ 15.1956, 0.3518,
0.2059

■ 85.0079, 0.2986,
0.3954

■ 13.4777, 0.3594,
0.1947

■ 85.1690, 0.2967,
0.3913

■ 12.3292, 0.3669,
0.1879

■ 85.3339, 0.2949,
0.3872

■ 11.6680, 0.3741,
0.1855

■ 85.5024, 0.2931,
0.3831

Harmonies

Analogous

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



40.6048, 0.3065, 0.3149



40.6048, 0.3150, 0.3182



40.6048, 0.3230, 0.3243

Triad

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



40.6048, 0.3150, 0.3182



40.6048, 0.3258, 0.3430



40.6048, 0.2975, 0.3260

Complementary

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



40.6048, 0.3150, 0.3182



43.0567, 0.3105, 0.3400

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.



40.6048, 0.3025, 0.3337



40.6048, 0.3150, 0.3182



40.6048, 0.3188, 0.3436

Square

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



40.6048, 0.3150, 0.3182



40.6048, 0.3293, 0.3386



40.6048, 0.3103, 0.3402



40.6048, 0.2964, 0.3192

Rectangle

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



40.6048, 0.3150, 0.3182



40.6048, 0.3269, 0.3293



40.6048, 0.3103, 0.3402



40.6048, 0.2987, 0.3285

Sweetspot

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



40.6066, 0.3150, 0.3182



78.1040, 0.3135, 0.3251



39.7503, 0.3060, 0.3153



17.3343, 0.3135, 0.3253



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6066, 0.3150, 0.3182



71.8271, 0.3157, 0.3152



40.4175, 0.3192, 0.3247



8.8896, 0.3158, 0.3146



8.2051, 0.3765, 0.1848



0.2655, 0.3584, 0.1748

Inverse Universe

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



40.6066, 0.3150, 0.3182



71.8271, 0.3157, 0.3152



43.2441, 0.3066, 0.3333



8.8896, 0.3158, 0.3146



8.2051, 0.3765, 0.1848



0.2655, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 40.6048, 0.3150, 0.3182 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 40.6048, 0.3150, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

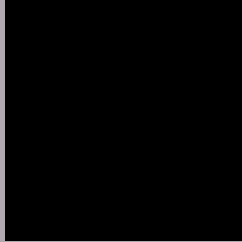
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

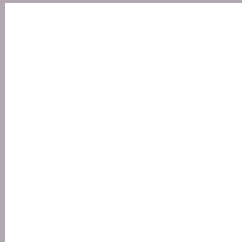
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6048, 0.3150, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 40.6048, 0.3150, 0.3182.



This preview shows how white text looks on a background with the Yxy color 40.6048, 0.3150, 0.3182.

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

40.6048, 0.3150, 0.3182

Protanopia

40.6944, 0.3087, 0.3194

Deuteranopia

40.7213, 0.3217, 0.3158



Tritanopia

40.5164, 0.3126, 0.3116

Trichromacy



Original Color

40.6048, 0.3150, 0.3182

Protanomaly

40.5489, 0.3105, 0.3181

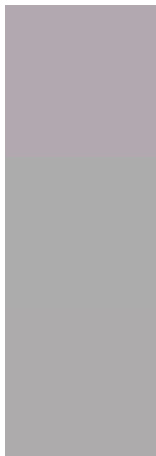
Deuteranomaly

40.7171, 0.3188, 0.3170

Tritanomaly

40.4758, 0.3135, 0.3129

Monochromacy



Original Color

40.6048, 0.3150, 0.3182

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1416, 0.3137, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6048, 0.3150, 0.3182 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(178, 168, 176)` looks like.

```
.text, #text, p{  
    color:rgb(178, 168, 176)  
}
```

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(178, 168, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 168, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.6048, 0.3150, 0.3182 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(178, 168, 176) }
```

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

```
.border{ border-color:rgb(178, 168, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 168, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(178, 168,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6048, 0.3150, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 168, 176) }
```

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

```
.background{ background-color: rgb(178,  
168, 176) }
```

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