

Converting Colors

$Y_{xy}(40.7522, 0.3199, 0.3272)$

Have a look what the booklet for
Yxy(40.7522, 0.3199, 0.3272)
contains.

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Color

Yxy(40.7432, 0.3201, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	B2A9AA
RGB	178, 169, 170
RGB Percent	70%, 66%, 67%
CMY	0.3021, 0.3372, 0.3334
CMYK	0.00, 0.05, 0.04, 0.30
HSL	353°, 5%, 68%
HSV	353°, 5%, 70%
XYZ	39.7983, 40.7432, 43.7893
YIQ	171.8050, 5.0430, 2.2190

Conversions

Conversions Part 2

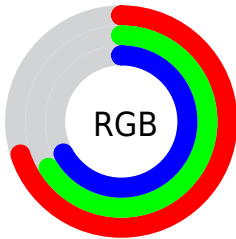
Format	Color
RYB	178, 169, 170
Decimal	11708842
CIELab	70.00, 3.39, 0.64
CIELCh	70, 3.453, 10.703
Yxy	40.7432, 0.3201, 0.3277
Android (android.graphics.Color)	4289898922 (0xFFB2A9AA)
YUV	171.8050, -0.8899, 5.4330
Hunter-Lab	63.8304, -0.4084, 4.0068

Details

The Yxy color **40.7432, 0.3201, 0.3277** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.4421, 0.3058, 0.3303**, and the grayscale version is **41.1529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2400, 0.3191, 0.3280**, and **18.3906, 0.3218, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **34.0021, 0.3374, 0.3250**, and if you desaturate by 10%, it is **48.4617, 0.3062, 0.3302**.

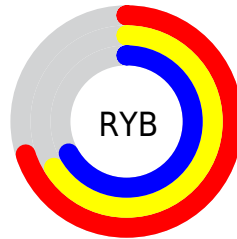
Distribution



Red (70%)

Green (66%)

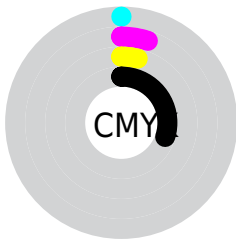
Blue (67%)



Red (70%)

Yellow (66%)

Blue (67%)

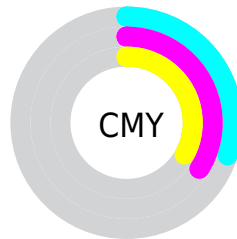


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (30%)



Cyan (30%)

Magenta (34%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7432, 0.3201, 0.3277 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 40.7432, 0.3201, 0.3277 by changing the saturation by 10% instead.


 40.7432, 0.3201,
0.3277


 40.7432, 0.3201,
0.3277


349.2462, 0.3163,
0.3284

 28.1185, 0.3211,
0.3275

 76.2939, 0.3187,
0.3280

 18.4150, 0.3223,
0.3273


 99.9887, 0.3182,
0.3280

 11.2483, 0.3241,
0.3270


128.1423, 0.3178,
0.3281

 6.2341, 0.3265,
0.3265

161.1391, 0.3174,
0.3282

 2.9880, 0.3304,
0.3258

199.3635, 0.3171,
0.3283

 1.1255, 0.3372,
0.3244

243.1999, 0.3168,

 0.0000, 1.0000,

0.3283

0.0000

293.0326, 0.3165,
0.3283

0.0000, 0.0000,
0.0000

40.7432, 0.3201,
0.3277

40.7432, 0.3201,
0.3277

34.0021, 0.3374,
0.3250

48.4617, 0.3062,
0.3302

28.1944, 0.3588,
0.3221

57.1890, 0.2949,
0.3325

23.2804, 0.3852,
0.3192

66.9613, 0.2858,
0.3346

19.2159, 0.4174,
0.3166

77.8118, 0.2783,
0.3365

15.9526, 0.4553,
0.3145

87.8417, 0.2718,
0.3350

■ 13.4373, 0.4980,
0.3134

■ 88.2021, 0.2691,
0.3289

■ 11.6106, 0.5424,
0.3140

■ 10.4040, 0.5834,
0.3166

■ 9.7339, 0.6150,
0.3210

Harmonies

Analogous

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



40.7432, 0.3158, 0.3236



40.7432, 0.3201, 0.3277



40.7432, 0.3224, 0.3321

Triad

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



40.7432, 0.3201, 0.3277



40.7432, 0.3147, 0.3372



40.7432, 0.3034, 0.3222

Complementary

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



40.7432, 0.3201, 0.3277



43.4421, 0.3058, 0.3303

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.



40.7432, 0.3031, 0.3258



40.7432, 0.3201, 0.3277



40.7432, 0.3096, 0.3345

Square

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



40.7432, 0.3201, 0.3277



40.7432, 0.3193, 0.3377



40.7432, 0.3054, 0.3303



40.7432, 0.3062, 0.3204

Rectangle

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



40.7432, 0.3201, 0.3277



40.7432, 0.3225, 0.3347



40.7432, 0.3054, 0.3303



40.7432, 0.3030, 0.3232

Sweetspot

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



40.7450, 0.3201, 0.3277



77.9229, 0.3156, 0.3285



40.9334, 0.3123, 0.3169



17.2963, 0.3154, 0.3285



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.



40.7450, 0.3201, 0.3277



72.5210, 0.3218, 0.3274



42.0035, 0.3206, 0.3337



8.9582, 0.3224, 0.3273



6.8115, 0.6250, 0.3216



0.2191, 0.5738, 0.2935

Inverse Universe

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



40.7450, 0.3201, 0.3277



72.5210, 0.3218, 0.3274



42.1312, 0.3051, 0.3243



8.9582, 0.3224, 0.3273



6.8115, 0.6250, 0.3216



0.2191, 0.5738, 0.2935

Previews

White Background



This preview shows how the Yxy color 40.7432, 0.3201, 0.3277 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 40.7432, 0.3201, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

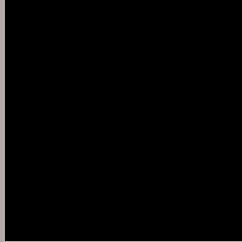
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

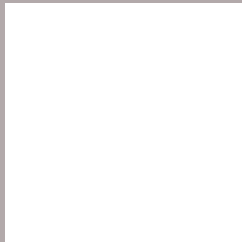
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7432, 0.3201, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 40.7432, 0.3201, 0.3277.

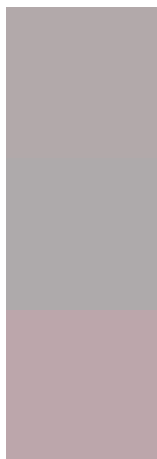


This preview shows how white text looks on a background with the Yxy color 40.7432, 0.3201, 0.3277.

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

40.7432, 0.3201, 0.3277

Protanopia

40.6884, 0.3155, 0.3276

Deuteranopia

40.9041, 0.3289, 0.3224



Tritanopia

40.6769, 0.3127, 0.3104

Trichromacy



Original Color

40.7432, 0.3201, 0.3277

Protanomaly

40.8037, 0.3164, 0.3276

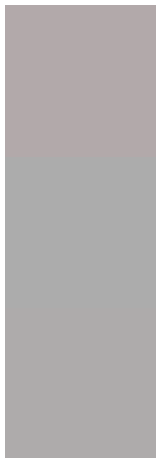
Deuteranomaly

40.7681, 0.3250, 0.3237

Tritanomaly

40.7633, 0.3151, 0.3169

Monochromacy



Original Color

40.7432, 0.3201, 0.3277

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0648, 0.3154, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7432, 0.3201, 0.3277 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, 169, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 169, 170)  
}
```

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, 169, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 169, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.7432, 0.3201, 0.3277 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, 169, 170) }
```

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

```
.border{ border-color:rgb(178, 169, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 169, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 169, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 169, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 169,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7432, 0.3201, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 169, 170) }
```

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

```
.background{ background-color: rgb(178,  
169, 170) }
```

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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