

Converting Colors

$Y_{xy}(40.0842, 0.3093, 0.3095)$

Have a look what the booklet for
Yxy(40.0842, 0.3093, 0.3095)
contains.

Yxy(40.2037, 0.3091, 0.3101)	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(40.2037, 0.3091, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	B0A7B5
RGB	176, 167, 181
RGB Percent	69%, 65%, 71%
CMY	0.3096, 0.3452, 0.2901
CMYK	0.03, 0.08, 0.00, 0.29
HSL	279°, 9%, 68%
HSV	279°, 8%, 71%
XYZ	40.0741, 40.2037, 49.3698
YIQ	171.2870, 0.8700, 6.2620

Conversions

Conversions Part 2

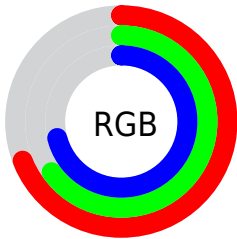
Format	Color
RYB	176, 167, 181
Decimal	11577269
CIELab	69.61, 5.90, -6.04
CIELCh	70, 8.441, 314.327
Yxy	40.2037, 0.3091, 0.3101
Android (android.graphics.Color)	4289767349 (0xFFB0A7B5)
YUV	171.2870, 4.7885, 4.1333
Hunter-Lab	63.4064, 1.8542, -1.7802

Details

The Yxy color $40.2037, 0.3091, 0.3101$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $44.6058, 0.3161, 0.3481$, and the grayscale version is $40.8561, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5128, 0.3100, 0.3134$, and $18.1051, 0.3088, 0.3048$ is the 20% darker color. If you saturate the color by 10%, you get $33.3035, 0.3037, 0.2843$, and if you desaturate by 10%, it is $48.0707, 0.3137, 0.3343$.

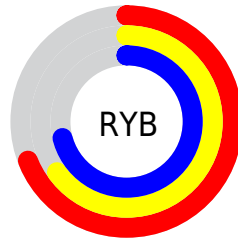
Distribution



Red (69%)

Green (65%)

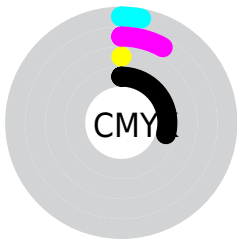
Blue (71%)



Red (69%)

Yellow (65%)

Blue (71%)

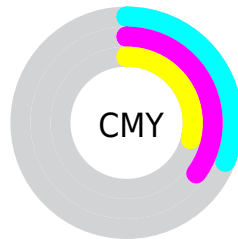


Cyan (3%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (31%)


Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2037, 0.3091, 0.3101 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 40.2037, 0.3091, 0.3101 by changing the saturation by 10% instead.

 40.2037, 0.3091,
0.3101


 40.2037, 0.3091,
0.3101


346.9814, 0.3110,
0.3197

 27.6974, 0.3086,
0.3077


 75.4736, 0.3098,
0.3136

 18.0977, 0.3079,
0.3045


 99.0060, 0.3101,
0.3149

 11.0201, 0.3070,
0.3003

126.9825, 0.3103,
0.3160

 6.0804, 0.3057,
0.2943

159.7876, 0.3105,
0.3170

 2.8940, 0.3035,
0.2851

197.8057, 0.3106,
0.3178

 1.0767, 0.2995,
0.2695

241.4210, 0.3108,

 0.0000, 0.2158,

0.3185

0.0000

291.0182, 0.3109,
0.3191

0.0000, 0.0000,
0.0000

40.2037, 0.3091,
0.3101

40.2037, 0.3091,
0.3101

33.3035, 0.3037,
0.2843

48.0707, 0.3137,
0.3343

27.3262, 0.2973,
0.2572

56.9359, 0.3175,
0.3566

22.2319, 0.2900,
0.2295

66.8357, 0.3206,
0.3770

17.9759, 0.2819,
0.2022

77.8030, 0.3231,
0.3954

14.5095, 0.2730,
0.1762

88.2698, 0.3255,
0.4097

■ 11.7788, 0.2637,
0.1530

■ 89.2154, 0.3296,
0.4086

■ 9.7228, 0.2541,
0.1334

■ 90.1988, 0.3338,
0.4076

■ 8.2708, 0.2448,
0.1185

■ 91.2203, 0.3380,
0.4065

■ 7.3133, 0.2358,
0.1083

■ 92.2805, 0.3423,
0.4054

Harmonies

Analogous

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



40.2037, 0.2977, 0.3080



40.2037, 0.3091, 0.3101



40.2037, 0.3216, 0.3170

Triad

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



40.2037, 0.3091, 0.3101



40.2037, 0.3354, 0.3464



40.2037, 0.2938, 0.3306

Complementary

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



40.2037, 0.3091, 0.3101



44.6058, 0.3161, 0.3481

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.



40.2037, 0.3036, 0.3415



40.2037, 0.3091, 0.3101



40.2037, 0.3276, 0.3506

Square

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



40.2037, 0.3091, 0.3101



40.2037, 0.3370, 0.3377



40.2037, 0.3160, 0.3489



40.2037, 0.2891, 0.3196

Rectangle

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



40.2037, 0.3091, 0.3101



40.2037, 0.3289, 0.3234



40.2037, 0.3160, 0.3489



40.2037, 0.2966, 0.3345

Sweetspot

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



40.2054, 0.3091, 0.3101



79.8315, 0.3118, 0.3241



41.1044, 0.3010, 0.3168



17.2878, 0.3119, 0.3244



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.



40.2054, 0.3091, 0.3101



70.1626, 0.3084, 0.3066



40.7175, 0.3152, 0.3128



8.4936, 0.3083, 0.3062



4.9505, 0.2349, 0.1068



0.1869, 0.2596, 0.1204

Inverse Universe

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



40.4333, 0.3214, 0.3224



70.6449, 0.3231, 0.3211



44.1255, 0.3103, 0.3457



8.5532, 0.3233, 0.3210



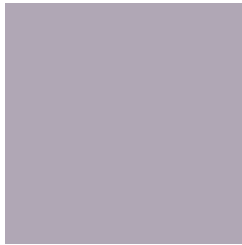
7.0390, 0.5528, 0.2819



0.2328, 0.4747, 0.2389

Previews

White Background



This preview shows how the Yxy color 40.2037, 0.3091, 0.3101 looks on a white background.

Color Contrast Check

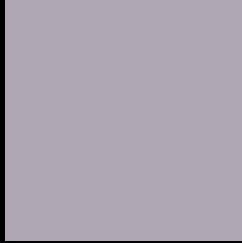
Large Text (above 18pt) WCAG AA × Fail

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 40.2037, 0.3091, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

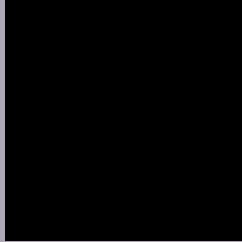
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

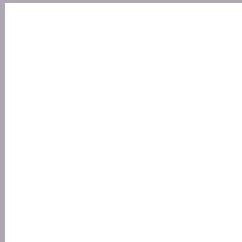
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2037, 0.3091, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 40.2037, 0.3091, 0.3101.



This preview shows how white text looks on a background with the Yxy color 40.2037, 0.3091, 0.3101.

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

40.2037, 0.3091, 0.3101

Protanopia

40.2994, 0.3028, 0.3112

Deuteranopia

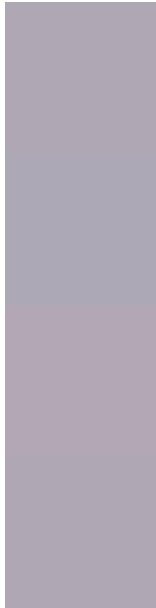
40.0702, 0.3137, 0.3077



Tritanopia

40.1628, 0.3099, 0.3115

Trichromacy



Original Color

40.2037, 0.3091, 0.3101

Protanomaly

40.1533, 0.3046, 0.3100

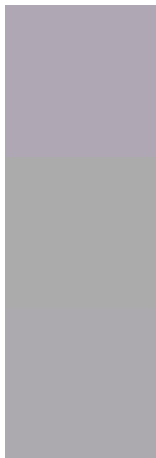
Deuteranomaly

40.1923, 0.3118, 0.3089

Tritanomaly

40.1628, 0.3099, 0.3115

Monochromacy



Original Color

40.2037, 0.3091, 0.3101

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7288, 0.3112, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2037, 0.3091, 0.3101 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(176, 167, 181)` looks like.

```
.text, #text, p{  
    color:rgb(176, 167, 181)  
}
```

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(176, 167, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 167, 181) }
```

Border

The CSS property to change the border of an element to Yxy 40.2037, 0.3091, 0.3101 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(176, 167, 181) }
```

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

```
.border{ border-color:rgb(176, 167, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 167, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 167, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 167, 181); box-shadow:4px 4px 4px 4px rgb(176, 167, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2037, 0.3091, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 167, 181) }
```

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

```
.background{ background-color: rgb(176,  
167, 181) }
```

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