

Converting Colors

$Y_{xy}(40.2609, 0.4190, 0.5047)$

Have a look what the booklet for
Yxy(40.2609, 0.4190, 0.5047)
contains.

Yxy(40.2873, 0.4190, 0.5046)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2873, 0.4190, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	B0B003
RGB	176, 176, 3
RGB Percent	69%, 69%, 1%
CMY	0.3097, 0.3098, 0.9881
CMYK	0.00, 0.00, 0.98, 0.31
HSL	60°, 97%, 35%
HSV	60°, 98%, 69%
XYZ	33.4530, 40.2873, 6.0998
YIQ	156.2780, 55.5330, -53.8030

Conversions

Conversions Part 2

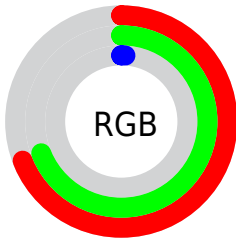
Format	Color
RYB	3, 176, 3
Decimal	11579395
CIELab	69.67, -16.26, 71.19
CIElCh	70, 73.020, 102.867
Yxy	40.2873, 0.4190, 0.5046
Android (android.graphics.Color)	4289769475 (0xFFB0B003)
YUV	156.2780, -75.5661, 17.2962
Hunter-Lab	63.4723, -16.9983, 38.7327

Details

The Yxy color **40.2873, 0.4190, 0.5046** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.2227, 0.1509, 0.0615**, and the grayscale version is **33.7077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3785, 0.4062, 0.4765**, and **18.3372, 0.4126, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **40.2822, 0.4194, 0.5052**, and if you desaturate by 10%, it is **40.3372, 0.4164, 0.5004**.

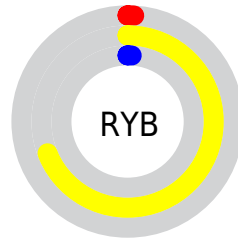
Distribution



Red (69%)

Green (69%)

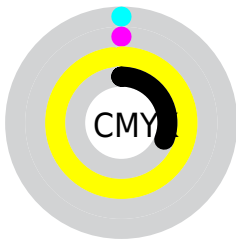
Blue (1%)



Red (1%)

Yellow (69%)

Blue (1%)

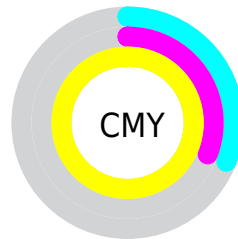


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2873, 0.4190, 0.5046 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 40.2873, 0.4190, 0.5046 by changing the saturation by 10% instead.

 40.2873, 0.4190,
0.5046


 40.2873, 0.4190,
0.5046

347.3330, 0.3745,
0.4205


 27.7626, 0.4252,
0.5215


 75.6008, 0.4061,
0.4765

 18.1468, 0.4298,
0.5401


 99.1584, 0.4002,
0.4651

 11.0554, 0.4350,
0.5650


 127.1625, 0.3948,
0.4552

 6.1041, 0.4233,
0.5767

 159.9973, 0.3899,
0.4464

 2.9085, 0.4047,
0.5953

 198.0474, 0.3855,
0.4388

 1.0842, 0.3642,
0.6358

 241.6972, 0.3814,

 0.0000, 0.0000,

0.4320

0.0000

291.3309, 0.3778,
0.4259

■ 40.2873, 0.4190,
0.5046

■ 40.2873, 0.4190,
0.5046

■ 40.2822, 0.4194,
0.5052

■ 40.3372, 0.4164,
0.5004

■ 40.4277, 0.4116,
0.4924

■ 40.5721, 0.4043,
0.4803

■ 40.7770, 0.3945,
0.4641

■ 41.0481, 0.3826,
0.4445

■ 41.3904, 0.3691,
0.4222

■ 41.8086, 0.3546,
0.3983

■ 42.3069, 0.3397,
0.3736

■ 42.8890, 0.3248,
0.3489

Harmonies

Analogous

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



40.2873, 0.4927, 0.4374



40.2873, 0.4190, 0.5046



40.2873, 0.3246, 0.5267

Triad

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



40.2873, 0.4190, 0.5046



40.2873, 0.1417, 0.2385



40.2873, 0.3772, 0.2361

Complementary

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



40.2873, 0.4190, 0.5046



3.2227, 0.1509, 0.0615

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.



40.2873, 0.2700, 0.1945



40.2873, 0.4190, 0.5046



40.2873, 0.1507, 0.1898

Square

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



40.2873, 0.4190, 0.5046



40.2873, 0.1672, 0.3345



40.2873, 0.1923, 0.1778



40.2873, 0.4772, 0.2958

Rectangle

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



40.2873, 0.4190, 0.5046



40.2873, 0.2610, 0.4907



40.2873, 0.1923, 0.1778



40.2873, 0.3398, 0.2198

Sweetspot

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



40.2892, 0.4190, 0.5046



75.6886, 0.3565, 0.4013



9.3136, 0.6350, 0.3290



16.3324, 0.3625, 0.4114



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.2892, 0.4190, 0.5046



73.0221, 0.4194, 0.5052



33.3697, 0.3399, 0.5670



9.9063, 0.3263, 0.3515



29.5414, 0.4194, 0.5052



0.9296, 0.4194, 0.5052

Inverse Universe

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



3.2227, 0.1509, 0.0615



5.6864, 0.1500, 0.0600



5.2117, 0.2014, 0.0891



8.2305, 0.2985, 0.3055



2.3008, 0.1500, 0.0600



0.0725, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 40.2873, 0.4190, 0.5046 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 40.2873, 0.4190, 0.5046 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 40.2873, 0.4190, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 40.2873, 0.4190, 0.5046.



This preview shows how white text looks on a background with the Yxy color 40.2873, 0.4190, 0.5046.

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

40.2873, 0.4190, 0.5046

Protanopia

40.3323, 0.4400, 0.4888

Deuteranopia

40.0159, 0.4677, 0.4569



Tritanopia

40.3769, 0.3247, 0.3133

Trichromacy



Original Color

40.2873, 0.4190, 0.5046

Protanomaly

40.3284, 0.4320, 0.4949

Deuteranomaly

39.7336, 0.4514, 0.4741

Tritanomaly

39.3879, 0.3772, 0.4043

Monochromacy



Original Color

40.2873, 0.4190, 0.5046

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.9010, 0.3693, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2873, 0.4190, 0.5046 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, 176, 3)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 3)  
}
```

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, 176, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 3) }
```

Border

The CSS property to change the border of an element to Yxy 40.2873, 0.4190, 0.5046 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, 176, 3) }
```

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

```
.border{ border-color:rgb(176, 176, 3) }
```

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

Here you see how a box with a 4 pixel rgb(176, 176, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 3);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2873, 0.4190, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 3) }
```

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

```
.background{ background-color: rgb(176,  
176, 3) }
```

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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