

Converting Colors

$Y_{xy}(40.5984, 0.4150, 0.4729)$

Have a look what the booklet for
Yxy(40.5984, 0.4150, 0.4729)
contains.

Yxy(40.4773, 0.4160, 0.4725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.4773, 0.4160, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	B9AD37
RGB	185, 173, 55
RGB Percent	73%, 68%, 22%
CMY	0.2746, 0.3215, 0.7842
CMYK	0.00, 0.06, 0.70, 0.27
HSL	54°, 54%, 47%
HSV	54°, 70%, 73%
XYZ	35.6372, 40.4773, 9.5518
YIQ	163.1360, 45.0300, -34.1540

Conversions

Conversions Part 2

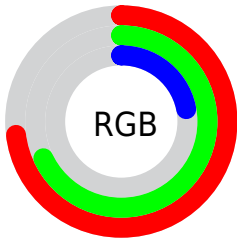
Format	Color
RYB	68, 185, 55
Decimal	12168503
CIELab	69.81, -9.32, 59.08
CIELCh	70, 59.809, 98.964
Yxy	40.4773, 0.4160, 0.4725
Android (android.graphics.Color)	4290358583 (0xFFB9AD37)
YUV	163.1360, -53.3110, 19.1747
Hunter-Lab	63.6218, -11.3530, 35.6338

Details

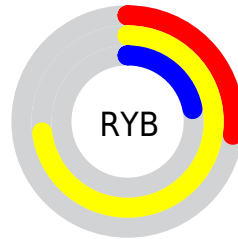
The Yxy color **40.4773, 0.4160, 0.4725** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.3280, 0.1828, 0.1234**, and the grayscale version is **36.9353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8240, 0.4009, 0.4482**, and **18.2639, 0.4289, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **39.6846, 0.4254, 0.4830**, and if you desaturate by 10%, it is **41.3486, 0.4042, 0.4579**.

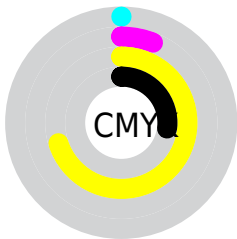
Distribution



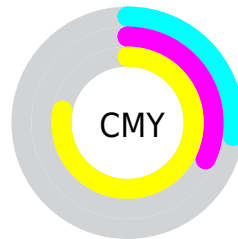
- Red (73%)
- Green (68%)
- Blue (22%)



- Red (27%)
- Yellow (73%)
- Blue (22%)



- Cyan (0%)
- Magenta (6%)
- Yellow (70%)
- Black (27%)



- Cyan (27%)
- Magenta (32%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4773, 0.4160, 0.4725 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 40.4773, 0.4160, 0.4725 by changing the saturation by 10% instead.


 40.4773, 0.4160,
0.4725


 40.4773, 0.4160,
0.4725


348.1312, 0.3687,
0.4026


 27.9109, 0.4250,
0.4877


 75.8898, 0.4006,
0.4484

 18.2585, 0.4343,
0.5051


 99.5046, 0.3942,
0.4389

 11.1357, 0.4433,
0.5251


 127.5711, 0.3886,
0.4307

 6.1582, 0.4512,
0.5488

 160.4736, 0.3837,
0.4236

 2.9415, 0.4409,
0.5591

 198.5964, 0.3793,
0.4173

 1.1013, 0.4222,
0.5778

 242.3240, 0.3753,

 0.0000, 0.0000,

0.4118

0.0000

292.0408, 0.3718,
0.4069

■ 40.4773, 0.4160,
0.4725

■ 40.4773, 0.4160,
0.4725

■ 39.6846, 0.4254,
0.4830

■ 41.3486, 0.4042,
0.4579

■ 38.9570, 0.4321,
0.4891

■ 42.2994, 0.3904,
0.4399

■ 38.2965, 0.4364,
0.4917

■ 43.3377, 0.3753,
0.4193

■ 44.4686, 0.3595,
0.3972

■ 45.6969, 0.3436,
0.3744

■ 47.0273, 0.3280,
0.3516

■ 48.4638, 0.3131,
0.3295

■ 50.0105, 0.2991,
0.3085

■ 51.6709, 0.2861,
0.2889

Harmonies

Analogous

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



40.4773, 0.4713, 0.4186



40.4773, 0.4160, 0.4725



40.4773, 0.3377, 0.4902

Triad

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



40.4773, 0.4160, 0.4725



40.4773, 0.1679, 0.2643



40.4773, 0.3548, 0.2449

Complementary

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



40.4773, 0.4160, 0.4725



8.3280, 0.1828, 0.1234

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.



40.4773, 0.2679, 0.2108



40.4773, 0.4160, 0.4725



40.4773, 0.1712, 0.2156

Square

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



40.4773, 0.4160, 0.4725



40.4773, 0.1964, 0.3482



40.4773, 0.2045, 0.1997



40.4773, 0.4388, 0.2960

Rectangle

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



40.4773, 0.4160, 0.4725



40.4773, 0.2829, 0.4656



40.4773, 0.2045, 0.1997



40.4773, 0.3244, 0.2313

Sweetspot

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



40.4792, 0.4160, 0.4725



81.6168, 0.3453, 0.3769



13.4639, 0.5241, 0.3148



17.4625, 0.3497, 0.3831



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.4792, 0.4160, 0.4725



70.4130, 0.4291, 0.4867



39.9506, 0.3574, 0.5153



10.3581, 0.3266, 0.3496



26.1401, 0.4362, 0.4919



0.9630, 0.4313, 0.4957

Inverse Universe

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



8.3280, 0.1828, 0.1234



9.6077, 0.1622, 0.0868



9.3628, 0.2236, 0.1293



8.8489, 0.2984, 0.3076



2.7079, 0.1520, 0.0672



0.1401, 0.1594, 0.0938

Previews

White Background



This preview shows how the Yxy color 40.4773, 0.4160, 0.4725 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 40.4773, 0.4160, 0.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

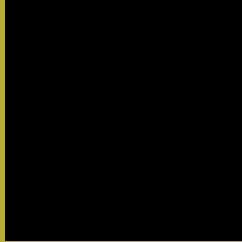
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4773, 0.4160, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 40.4773, 0.4160, 0.4725.



This preview shows how white text looks on a background with the Yxy color 40.4773, 0.4160, 0.4725.

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

40.4773, 0.4160, 0.4725

Protanopia

40.4685, 0.4242, 0.4676

Deuteranopia

40.3026, 0.4512, 0.4419



Tritanopia

40.4988, 0.3334, 0.3136

Trichromacy



Original Color

40.4773, 0.4160, 0.4725

Protanomaly

40.5902, 0.4213, 0.4698

Deuteranomaly

40.2744, 0.4384, 0.4524

Tritanomaly

39.9875, 0.3688, 0.3761

Monochromacy



Original Color

40.4773, 0.4160, 0.4725

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.7506, 0.3547, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4773, 0.4160, 0.4725 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, 173, 55)` looks like.

```
.text, #text, p{  
    color:rgb(185, 173, 55)  
}
```

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, 173, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 173, 55) }
```

Border

The CSS property to change the border of an element to Yxy 40.4773, 0.4160, 0.4725 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, 173, 55) }
```

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

```
.border{ border-color:rgb(185, 173, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 173, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 173, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 173, 55);  
box-shadow:4px 4px 4px 4px rgb(185, 173,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4773, 0.4160, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 173, 55) }
```

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

```
.background{ background-color: rgb(185,  
173, 55) }
```

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