

Converting Colors

$Y_{xy}(40.6520, 0.3994, 0.4661)$

Have a look what the booklet for
Yxy(40.6520, 0.3994, 0.4661)
contains.

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Color

Yxy(40.5671, 0.3992, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	B2AF46
RGB	178, 175, 70
RGB Percent	70%, 69%, 27%
CMY	0.3021, 0.3137, 0.7255
CMYK	0.00, 0.02, 0.61, 0.30
HSL	58°, 44%, 49%
HSV	58°, 61%, 70%
XYZ	34.7892, 40.5671, 11.7910
YIQ	163.9270, 35.4930, -32.0190

Conversions

Conversions Part 2

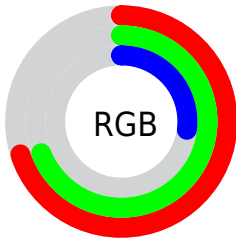
Format	Color
RYB	73, 178, 70
Decimal	11710278
CIELab	69.87, -12.47, 52.72
CIELCh	70, 54.181, 103.311
Yxy	40.5671, 0.3992, 0.4655
Android (android.graphics.Color)	4289900358 (0xFFB2AF46)
YUV	163.9270, -46.3060, 12.3420
Hunter-Lab	63.6923, -13.9635, 33.6086

Details

The Yxy color **40.5671, 0.3992, 0.4655** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.2735, 0.1978, 0.1418**, and the grayscale version is **37.2985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8566, 0.3860, 0.4405**, and **18.3300, 0.4147, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **40.1878, 0.4091, 0.4805**, and if you desaturate by 10%, it is **41.0174, 0.3871, 0.4469**.

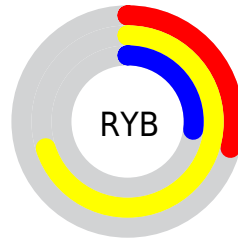
Distribution



Red (70%)

Green (69%)

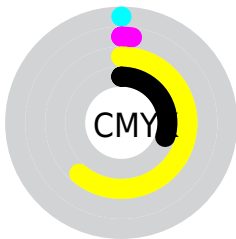
Blue (27%)



Red (29%)

Yellow (70%)

Blue (27%)

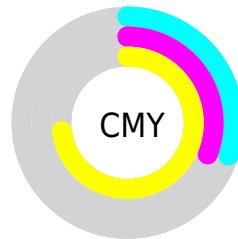


Cyan (0%)

Magenta (2%)

Yellow (61%)

Black (30%)



Cyan (30%)


Magenta (31%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5671, 0.3992, 0.4655 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 40.5671, 0.3992, 0.4655 by changing the saturation by 10% instead.


 40.5671, 0.3992,
0.4655


 40.5671, 0.3992,
0.4655


348.5081, 0.3591,
0.3971


 27.9810, 0.4071,
0.4814


 76.0263, 0.3859,
0.4413


 18.3113, 0.4157,
0.5005


 99.6682, 0.3805,
0.4319

 11.1737, 0.4240,
0.5232


 127.7641, 0.3758,
0.4239

 6.1838, 0.4387,
0.5613

 160.6984, 0.3716,
0.4171

 2.9572, 0.4248,
0.5752

 198.8556, 0.3679,
0.4111

 1.1094, 0.3982,
0.6018

242.6200, 0.3647,

 0.0000, 0.0000,

0.4058

0.0000

292.3760, 0.3617,
0.4012

■ 40.5671, 0.3992,
0.4655

■ 40.5671, 0.3992,
0.4655

■ 40.1878, 0.4091,
0.4805

■ 41.0174, 0.3871,
0.4469

■ 39.8678, 0.4166,
0.4915

■ 41.5385, 0.3735,
0.4255

■ 39.6018, 0.4214,
0.4982

■ 42.1370, 0.3587,
0.4023

■ 39.3882, 0.4241,
0.5014

■ 42.8173, 0.3436,
0.3783

■ 43.5834, 0.3284,
0.3541

■ 44.4391, 0.3137,
0.3305

■ 45.3881, 0.2997,
0.3080

■ 46.4336, 0.2865,
0.2869

■ 47.5789, 0.2744,
0.2672

Harmonies

Analogous

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



40.5671, 0.4531, 0.4213



40.5671, 0.3992, 0.4655



40.5671, 0.3261, 0.4712

Triad

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



40.5671, 0.3992, 0.4655



40.5671, 0.1780, 0.2625



40.5671, 0.3633, 0.2578

Complementary

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



40.5671, 0.3992, 0.4655



9.2735, 0.1978, 0.1418

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.



40.5671, 0.2829, 0.2233



40.5671, 0.3992, 0.4655



40.5671, 0.1850, 0.2214

Square

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



40.5671, 0.3992, 0.4655



40.5671, 0.2007, 0.3348



40.5671, 0.2203, 0.2098



40.5671, 0.4356, 0.3074

Rectangle

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



40.5671, 0.3992, 0.4655



40.5671, 0.2762, 0.4426



40.5671, 0.2203, 0.2098



40.5671, 0.3358, 0.2443

Sweetspot

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



40.5690, 0.3992, 0.4655



77.9957, 0.3400, 0.3726



14.3303, 0.4933, 0.3248



17.1952, 0.3444, 0.3796



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.



40.5690, 0.3992, 0.4655



72.6912, 0.4121, 0.4850



36.8249, 0.3484, 0.4961



9.8661, 0.3264, 0.3509



28.2117, 0.4241, 0.5015



0.9000, 0.4226, 0.5026

Inverse Universe

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



9.2735, 0.1978, 0.1418



10.9217, 0.1740, 0.1020



11.6142, 0.2468, 0.1590



8.2661, 0.2985, 0.3061



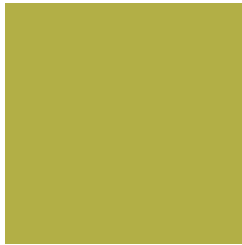
2.3906, 0.1506, 0.0621



0.0875, 0.1531, 0.0711

Previews

White Background



This preview shows how the Yxy color 40.5671, 0.3992, 0.4655 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 40.5671, 0.3992, 0.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

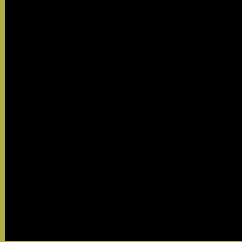
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5671, 0.3992, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 40.5671, 0.3992, 0.4655.



This preview shows how white text looks on a background with the Yxy color 40.5671, 0.3992, 0.4655.

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

40.5671, 0.3992, 0.4655

Protanopia

40.5026, 0.4149, 0.4557

Deuteranopia

40.3321, 0.4407, 0.4303



Tritanopia

40.4166, 0.3238, 0.3120

Trichromacy



Original Color

40.5671, 0.3992, 0.4655

Protanomaly

40.3738, 0.4101, 0.4589

Deuteranomaly

40.3978, 0.4255, 0.4425

Tritanomaly

40.0306, 0.3547, 0.3702

Monochromacy



Original Color

40.5671, 0.3992, 0.4655

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0520, 0.3471, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5671, 0.3992, 0.4655 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, 175, 70)` looks like.

```
.text, #text, p{  
    color:rgb(178, 175, 70)  
}
```

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, 175, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 175, 70) }
```

Border

The CSS property to change the border of an element to Yxy 40.5671, 0.3992, 0.4655 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, 175, 70) }
```

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

```
.border{ border-color:rgb(178, 175, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 175, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 175, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 175, 70);  
box-shadow:4px 4px 4px 4px rgb(178, 175,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5671, 0.3992, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 175, 70) }
```

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

```
.background{ background-color: rgb(178,  
175, 70) }
```

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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