

Converting Colors

$Yxy(40.7128, 0.4002, 0.4442)$

Have a look what the booklet for
Yxy(40.7128, 0.4002, 0.4442)
contains.

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Color

Yxy(40.5842, 0.4001, 0.4436)

Conversions

Conversions Part 1

Format	Color
Hex	BAAC54
RGB	186, 172, 84
RGB Percent	73%, 67%, 33%
CMY	0.2706, 0.3255, 0.6704
CMYK	0.00, 0.08, 0.55, 0.27
HSL	52°, 42%, 53%
HSV	52°, 55%, 73%
XYZ	36.6045, 40.5842, 14.2996
YIQ	166.1540, 36.5920, -24.4000

Conversions

Conversions Part 2

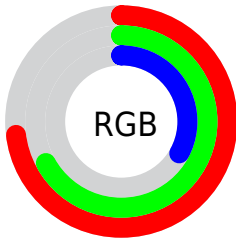
Format	Color
RYB	100, 186, 84
Decimal	12233812
CIELab	69.88, -6.41, 46.41
CIELCh	70, 46.856, 97.864
Yxy	40.5842, 0.4001, 0.4436
Android (android.graphics.Color)	4290423892 (0xFFBAAC54)
YUV	166.1540, -40.5019, 17.4049
Hunter-Lab	63.7057, -8.9213, 31.2856

Details

The Yxy color **40.5842, 0.4001, 0.4436** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.1755, 0.2129, 0.1786**, and the grayscale version is **38.4010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9488, 0.3857, 0.4232**, and **18.2886, 0.4196, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **39.3691, 0.4143, 0.4596**, and if you desaturate by 10%, it is **41.8992, 0.3844, 0.4247**.

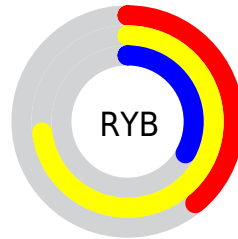
Distribution



Red (73%)

Green (67%)

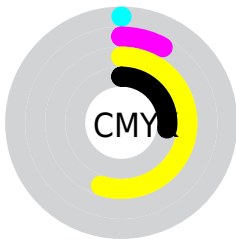
Blue (33%)



Red (39%)

Yellow (73%)

Blue (33%)

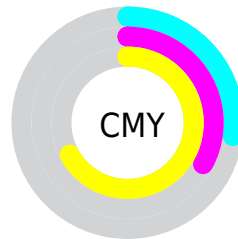


Cyan (0%)

Magenta (8%)

Yellow (55%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5842, 0.4001, 0.4436 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 40.5842, 0.4001, 0.4436 by changing the saturation by 10% instead.

40.5842, 0.4001,
0.4436

40.5842, 0.4001,
0.4436

348.5798, 0.3580,
0.3864

27.9943, 0.4093,
0.4570

76.0523, 0.3856,
0.4233

18.3214, 0.4201,
0.4733

99.6993, 0.3799,
0.4155

11.1810, 0.4322,
0.4931

127.8008, 0.3749,
0.4088

6.1887, 0.4487,
0.5212

160.7412, 0.3707,
0.4031

2.9602, 0.4557,
0.5443

198.9049, 0.3669,
0.3981

1.1110, 0.4432,
0.5568

242.6763, 0.3636,

0.0000, 0.0000,

0.3937

0.0000

292.4398, 0.3606,
0.3898

■ 40.5842, 0.4001,
0.4436

■ 40.5842, 0.4001,
0.4436

■ 39.3691, 0.4143,
0.4596

■ 41.8992, 0.3844,
0.4247

■ 38.2419, 0.4265,
0.4719

■ 43.3140, 0.3680,
0.4040

■ 37.1969, 0.4361,
0.4799

■ 44.8358, 0.3515,
0.3823

■ 36.2255, 0.4429,
0.4834

■ 46.4693, 0.3353,
0.3604

■ 35.7413, 0.4458,
0.4842

■ 48.2189, 0.3198,
0.3390

■ 50.0889, 0.3053,
0.3185

■ 52.0831, 0.2919,
0.2992

■ 54.2052, 0.2796,
0.2813

■ 56.4589, 0.2685,
0.2648

Harmonies

Analogous

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



40.5842, 0.4412, 0.4036



40.5842, 0.4001, 0.4436



40.5842, 0.3381, 0.4534

Triad

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



40.5842, 0.4001, 0.4436



40.5842, 0.1954, 0.2819



40.5842, 0.3441, 0.2596

Complementary

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



40.5842, 0.4001, 0.4436



14.1755, 0.2129, 0.1786

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.



40.5842, 0.2757, 0.2317



40.5842, 0.4001, 0.4436



40.5842, 0.1966, 0.2395

Square

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



40.5842, 0.4001, 0.4436



40.5842, 0.2214, 0.3481



40.5842, 0.2240, 0.2238



40.5842, 0.4095, 0.3023

Rectangle

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



40.5842, 0.4001, 0.4436



40.5842, 0.2937, 0.4343



40.5842, 0.2240, 0.2238



40.5842, 0.3204, 0.2484

Sweetspot

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



40.5861, 0.4001, 0.4436



83.7829, 0.3376, 0.3635



17.6939, 0.4481, 0.3086



18.3133, 0.3409, 0.3680



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.5861, 0.4001, 0.4436



70.8768, 0.4173, 0.4628



42.2745, 0.3575, 0.4753



10.2873, 0.3267, 0.3486



24.1255, 0.4454, 0.4846



0.9090, 0.4377, 0.4906

Inverse Universe

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



14.1755, 0.2129, 0.1786



18.2016, 0.1901, 0.1409



13.8660, 0.2417, 0.1697



8.9131, 0.2984, 0.3087



2.9348, 0.1534, 0.0722



0.1677, 0.1636, 0.1089

Previews

White Background



This preview shows how the Yxy color 40.5842, 0.4001, 0.4436 looks on a white background.

Color Contrast Check

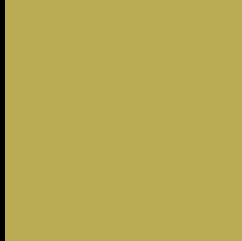
Large Text (above 18pt) WCAG AA × Fail

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 40.5842, 0.4001, 0.4436 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 40.5842, 0.4001, 0.4436

Background



This preview shows how black text looks on a background with the Yxy color 40.5842, 0.4001, 0.4436.



This preview shows how white text looks on a background with the Yxy color 40.5842, 0.4001, 0.4436.

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

40.5842, 0.4001, 0.4436

Protanopia

40.5847, 0.4038, 0.4412

Deuteranopia

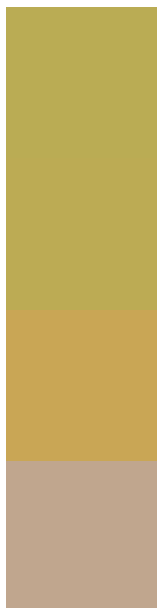
40.5679, 0.4291, 0.4209



Tritanopia

40.5379, 0.3325, 0.3123

Trichromacy



Original Color

40.5842, 0.4001, 0.4436

Protanomaly

40.4573, 0.4028, 0.4416

Deuteranomaly

40.3458, 0.4187, 0.4291

Tritanomaly

40.4319, 0.3596, 0.3611

Monochromacy



Original Color

40.5842, 0.4001, 0.4436

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.6671, 0.3457, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5842, 0.4001, 0.4436 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(186, 172, 84)` looks like.

```
.text, #text, p{  
    color:rgb(186, 172, 84)  
}
```

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(186, 172, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 172, 84) }
```

Border

The CSS property to change the border of an element to Yxy 40.5842, 0.4001, 0.4436 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(186, 172, 84) }
```

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

```
.border{ border-color:rgb(186, 172, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 172, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 172, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 172, 84);  
box-shadow:4px 4px 4px 4px rgb(186, 172,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5842, 0.4001, 0.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 172, 84) }
```

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

```
.background{ background-color: rgb(186,  
172, 84) }
```

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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