

Converting Colors

$Y_{xy}(40.1150, 0.4050, 0.4490)$

Have a look what the booklet for
Yxy(40.1150, 0.4050, 0.4490)
contains.

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Color

Yxy(40.1150, 0.4050, 0.4490)

Conversions

Conversions Part 1

Format	Color
Hex	BAAB4E
RGB	186, 171, 78
RGB Percent	73%, 67%, 31%
CMY	0.2707, 0.3294, 0.6941
CMYK	0.00, 0.08, 0.58, 0.27
HSL	52°, 44%, 52%
HSV	52°, 58%, 73%
XYZ	36.1839, 40.1150, 13.0441
YIQ	164.8830, 38.7930, -25.7430

Conversions

Conversions Part 2

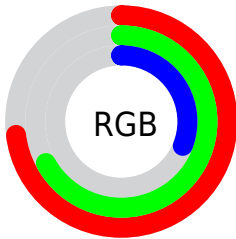
Format	Color
RYB	95, 186, 78
Decimal	12233550
CIELab	69.55, -6.38, 48.91
CIELCh	70, 49.323, 97.429
Yxy	40.1150, 0.4050, 0.4490
Android (android.graphics.Color)	4290423630 (0xFFBAAB4E)
YUV	164.8830, -42.8333, 18.5196
Hunter-Lab	63.3364, -8.8622, 32.1248

Details

The Yxy color **40.1150, 0.4050, 0.4490** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.9877, 0.2067, 0.1686**, and the grayscale version is **37.7631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2375, 0.3898, 0.4280**, and **18.0097, 0.4256, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **38.9223, 0.4187, 0.4639**, and if you desaturate by 10%, it is **41.4059, 0.3897, 0.4310**.

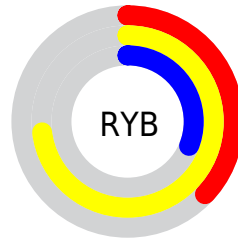
Distribution



Red (73%)

Green (67%)

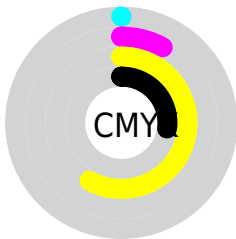
Blue (31%)



Red (37%)

Yellow (73%)

Blue (31%)

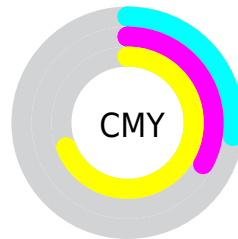


Cyan (0%)

Magenta (8%)

Yellow (58%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1150, 0.4050, 0.4490 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 40.1150, 0.4050, 0.4490 by changing the saturation by 10% instead.

 40.1150, 0.4050,
0.4490


 40.1150, 0.4050,
0.4490

346.6080, 0.3608,
0.3894


 27.6282, 0.4145,
0.4628


 75.3386, 0.3899,
0.4279


 18.0456, 0.4254,
0.4793


 98.8442, 0.3839,
0.4198

 10.9827, 0.4374,
0.4990


 126.7915, 0.3787,
0.4128

 6.0552, 0.4568,
0.5307

 159.5650, 0.3742,
0.4068

 2.8787, 0.4555,
0.5445

 197.5490, 0.3702,
0.4016

 1.0687, 0.4428,
0.5572

241.1279, 0.3667,

 0.0000, 0.0000,

0.3970

0.0000

290.6861, 0.3636,
0.3930

■ 40.1150, 0.4050,
0.4490

■ 40.1150, 0.4050,
0.4490

■ 38.9223, 0.4187,
0.4639

■ 41.4059, 0.3897,
0.4310

■ 37.8154, 0.4301,
0.4748

■ 42.7952, 0.3734,
0.4107

■ 36.7886, 0.4388,
0.4813

■ 44.2902, 0.3568,
0.3893

■ 35.8296, 0.4449,
0.4837

■ 45.8957, 0.3405,
0.3674

■ 35.6474, 0.4460,
0.4840

■ 47.6162, 0.3247,
0.3458

■ 49.4561, 0.3099,
0.3250

■ 51.4192, 0.2961,
0.3054

■ 53.5095, 0.2835,
0.2870

■ 55.7305, 0.2720,
0.2701

Harmonies

Analogous

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



40.1150, 0.4482, 0.4058



40.1150, 0.4050, 0.4490



40.1150, 0.3399, 0.4612

Triad

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



40.1150, 0.4050, 0.4490



40.1150, 0.1898, 0.2797



40.1150, 0.3446, 0.2556

Complementary

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



40.1150, 0.4050, 0.4490



12.9877, 0.2067, 0.1686

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.



40.1150, 0.2726, 0.2268



40.1150, 0.4050, 0.4490



40.1150, 0.1908, 0.2352

Square

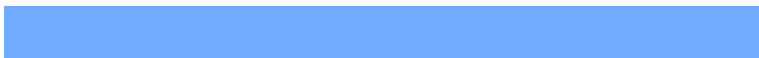
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.1150, 0.4050, 0.4490



40.1150, 0.2171, 0.3501



40.1150, 0.2189, 0.2188



40.1150, 0.4141, 0.2999

Rectangle

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



40.1150, 0.4050, 0.4490



40.1150, 0.2932, 0.4416



40.1150, 0.2189, 0.2188



40.1150, 0.3195, 0.2440

Sweetspot

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



40.1169, 0.4050, 0.4490



83.4452, 0.3392, 0.3657



16.6976, 0.4609, 0.3079



18.2425, 0.3425, 0.3701



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.



40.1169, 0.4050, 0.4490



69.9288, 0.4225, 0.4677



41.9720, 0.3591, 0.4835



10.2854, 0.3267, 0.3485



24.0705, 0.4456, 0.4844



0.9076, 0.4379, 0.4905

Inverse Universe

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



12.9877, 0.2067, 0.1686



16.2281, 0.1834, 0.1295



12.6928, 0.2364, 0.1599



8.9149, 0.2984, 0.3087



2.9422, 0.1534, 0.0723



0.1685, 0.1637, 0.1093

Previews

White Background



This preview shows how the Yxy color 40.1150, 0.4050, 0.4490 looks on a white background.

Color Contrast Check

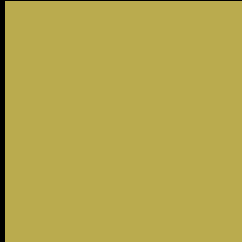
Large Text (above 18pt) WCAG AA × Fail

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 40.1150, 0.4050, 0.4490 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 40.1150, 0.4050, 0.4490

Background



This preview shows how black text looks on a background with the Yxy color 40.1150, 0.4050, 0.4490.



This preview shows how white text looks on a background with the Yxy color 40.1150, 0.4050, 0.4490.

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

40.1150, 0.4050, 0.4490

Protanopia

40.1183, 0.4088, 0.4464

Deuteranopia

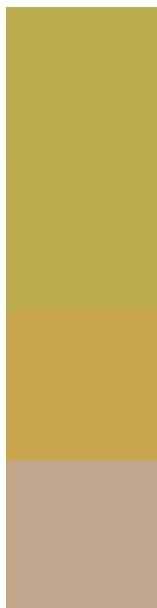
40.1215, 0.4345, 0.4257



Tritanopia

40.1090, 0.3345, 0.3135

Trichromacy



Original Color

40.1150, 0.4050, 0.4490

Protanomaly

39.9909, 0.4078, 0.4469

Deuteranomaly

39.8923, 0.4239, 0.4341

Tritanomaly

39.9517, 0.3637, 0.3652

Monochromacy



Original Color

40.1150, 0.4050, 0.4490

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2151, 0.3486, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1150, 0.4050, 0.4490 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, 171, 78)` looks like.

```
.text, #text, p{  
    color:rgb(186, 171, 78)  
}
```

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, 171, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 171, 78) }
```

Border

The CSS property to change the border of an element to Yxy 40.1150, 0.4050, 0.4490 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, 171, 78) }
```

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

```
.border{ border-color:rgb(186, 171, 78) }
```

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

Here you see how a box with a 4 pixel rgb(186, 171, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 171, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 171, 78);  
box-shadow:4px 4px 4px 4px rgb(186, 171,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1150, 0.4050, 0.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 171, 78) }
```

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

```
.background{ background-color: rgb(186,  
171, 78) }
```

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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