

Converting Colors

$Y_{xy}(40.0600, 0.4398, 0.4890)$

Have a look what the booklet for
Yxy(40.0600, 0.4398, 0.4890)
contains.

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Color

Yxy(40.2022, 0.4390, 0.4896)

Conversions

Conversions Part 1

Format	Color
Hex	BFAB00
RGB	191, 171, 0
RGB Percent	75%, 67%, 0%
CMY	0.2510, 0.3294, 0.9995
CMYK	0.00, 0.10, 1.00, 0.25
HSL	54°, 100%, 37%
HSV	54°, 100%, 75%
XYZ	36.0473, 40.2022, 5.8628
YIQ	157.4860, 66.8110, -48.9410

Conversions

Conversions Part 2

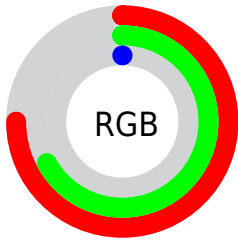
Format	Color
R _Y B	22, 191, 0
Decimal	12561152
CIE Lab	69.61, -7.10, 72.09
CIE LCh	70, 72.435, 95.626
Yxy	40.2022, 0.4390, 0.4896
Android (android.graphics.Color)	4290751232 (0xFFBFAB00)
YUV	157.4860, -77.6406, 29.3918
Hunter-Lab	63.4052, -9.4778, 38.9013

Details

The Yxy color **40.2022, 0.4390, 0.4896** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2657, 0.1520, 0.0672**, and the grayscale version is **34.2891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4520, 0.4220, 0.4658**, and **18.1802, 0.4385, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **40.1992, 0.4390, 0.4896**, and if you desaturate by 10%, it is **41.0127, 0.4342, 0.4872**.

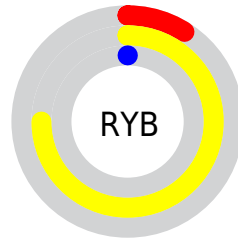
Distribution



Red (75%)

Green (67%)

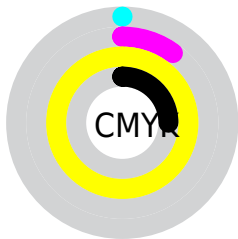
Blue (0%)



Red (9%)

Yellow (75%)

Blue (0%)

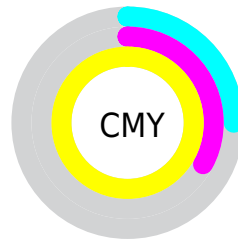


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2022, 0.4390, 0.4896 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 40.2022, 0.4390, 0.4896 by changing the saturation by 10% instead.

 40.2022, 0.4390,
0.4896


 40.2022, 0.4390,
0.4896


346.9751, 0.3841,
0.4157


 27.6962, 0.4478,
0.5033


 75.4713, 0.4224,
0.4658


 18.0968, 0.4557,
0.5174


 99.0033, 0.4150,
0.4559


 11.0195, 0.4648,
0.5352


 126.9793, 0.4084,
0.4471

 6.0800, 0.4598,
0.5402

 159.7839, 0.4025,
0.4393

 2.8938, 0.4519,
0.5481

 197.8013, 0.3971,
0.4323

 1.0765, 0.4378,
0.5622

 241.4161, 0.3923,

 0.0000, 0.0000,

0.4262

0.0000

291.0125, 0.3880,
0.4207

■ 40.2022, 0.4390,
0.4896

■ 40.2022, 0.4390,
0.4896

■ 40.1992, 0.4390,
0.4896

■ 41.0127, 0.4342,
0.4872

■ 41.8796, 0.4271,
0.4812

■ 42.8212, 0.4172,
0.4707

■ 43.8463, 0.4050,
0.4562

■ 44.9621, 0.3908,
0.4382

■ 46.1748, 0.3754,
0.4178

■ 47.4903, 0.3594,
0.3958

■ 48.9137, 0.3433,
0.3732

■ 50.4499, 0.3276,
0.3507

Harmonies

Analogous

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



40.2022, 0.5035, 0.4193



40.2022, 0.4390, 0.4896



40.2022, 0.3481, 0.5272

Triad

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



40.2022, 0.4390, 0.4896



40.2022, 0.1455, 0.2578



40.2022, 0.3498, 0.2247

Complementary

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



40.2022, 0.4390, 0.4896



4.2657, 0.1520, 0.0672

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.



40.2022, 0.2483, 0.1888



40.2022, 0.4390, 0.4896



40.2022, 0.1465, 0.1986

Square

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



40.2022, 0.4390, 0.4896



40.2022, 0.1801, 0.3638



40.2022, 0.1798, 0.1787



40.2022, 0.4557, 0.2807

Rectangle

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



40.2022, 0.4390, 0.4896



40.2022, 0.2838, 0.5074



40.2022, 0.1798, 0.1787



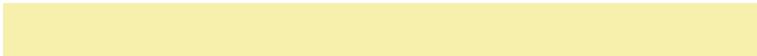
40.2022, 0.3134, 0.2101

Sweetspot

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



40.2041, 0.4390, 0.4896



84.9349, 0.3602, 0.3970



11.1369, 0.6260, 0.3223



18.4259, 0.3671, 0.4065



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.2041, 0.4390, 0.4896



71.7923, 0.4394, 0.4893



41.0962, 0.3537, 0.5574



10.9452, 0.3267, 0.3494



26.4915, 0.4387, 0.4899



1.0873, 0.4335, 0.4940

Inverse Universe

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



4.2657, 0.1520, 0.0672



7.4711, 0.1516, 0.0658



5.1913, 0.1817, 0.0775



9.3818, 0.2984, 0.3078



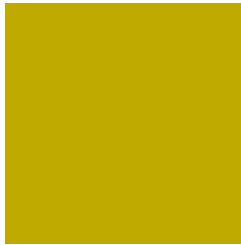
2.8592, 0.1523, 0.0683



0.1664, 0.1601, 0.0962

Previews

White Background



This preview shows how the Yxy color 40.2022, 0.4390, 0.4896 looks on a white background.

Color Contrast Check

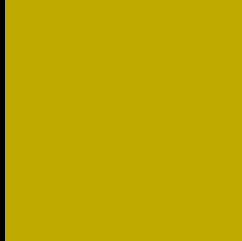
Large Text (above 18pt) WCAG AA × Fail

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 40.2022, 0.4390, 0.4896 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 40.2022, 0.4390, 0.4896

Background



This preview shows how black text looks on a background with the Yxy color 40.2022, 0.4390, 0.4896.



This preview shows how white text looks on a background with the Yxy color 40.2022, 0.4390, 0.4896.

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

40.2022, 0.4390, 0.4896

Protanopia

40.3323, 0.4400, 0.4888

Deuteranopia

39.9947, 0.4690, 0.4585



Tritanopia

40.1541, 0.3426, 0.3138

Trichromacy



Original Color

40.2022, 0.4390, 0.4896

Protanomaly

40.3323, 0.4400, 0.4888

Deuteranomaly

40.0638, 0.4579, 0.4705

Tritanomaly

39.1688, 0.3966, 0.3996

Monochromacy



Original Color

40.2022, 0.4390, 0.4896

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6800, 0.3758, 0.4187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2022, 0.4390, 0.4896 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(191, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 171, 0)  
}
```

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(191, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.2022, 0.4390, 0.4896 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(191, 171, 0) }
```

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

```
.border{ border-color:rgb(191, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2022, 0.4390, 0.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 171, 0) }
```

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

```
.background{ background-color: rgb(191,  
171, 0) }
```

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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