

Converting Colors

$Y_{xy}(40.4861, 0.4386, 0.4900)$

Have a look what the booklet for
Yxy(40.4861, 0.4386, 0.4900)
contains.

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Color

Yxy(40.5814, 0.4380, 0.4905)

Conversions

Conversions Part 1

Format	Color
Hex	BFAC00
RGB	191, 172, 0
RGB Percent	75%, 67%, 0%
CMY	0.2510, 0.3255, 1.0000
CMYK	0.00, 0.10, 1.00, 0.25
HSL	54°, 100%, 37%
HSV	54°, 100%, 75%
XYZ	36.2378, 40.5814, 5.9155
YIQ	158.0730, 66.5360, -49.4640

Conversions

Conversions Part 2

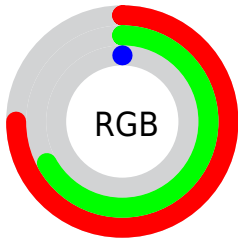
Format	Color
R _Y B	21, 191, 0
Decimal	12561408
CIE Lab	69.88, -7.62, 72.32
CIE LCh	70, 72.724, 96.015
Yxy	40.5814, 0.4380, 0.4905
Android (android.graphics.Color)	4290751488 (0xFFBFAC00)
YUV	158.0730, -77.9300, 28.8770
Hunter-Lab	63.7035, -9.9413, 39.0868

Details

The Yxy color **40.5814, 0.4380, 0.4905** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2273, 0.1519, 0.0666**, and the grayscale version is **34.5667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9975, 0.4213, 0.4666**, and **18.4195, 0.4370, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **40.5839, 0.4380, 0.4905**, and if you desaturate by 10%, it is **41.3596, 0.4333, 0.4880**.

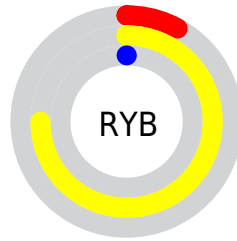
Distribution



Red (75%)

Green (67%)

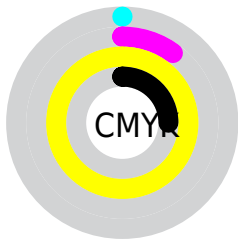
Blue (0%)



Red (8%)

Yellow (75%)

Blue (0%)

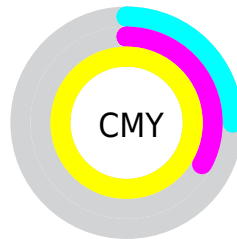


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5814, 0.4380, 0.4905 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 40.5814, 0.4380, 0.4905 by changing the saturation by 10% instead.


 40.5814, 0.4380,
0.4905


 40.5814, 0.4380,
0.4905


348.5680, 0.3837,
0.4162


 27.9921, 0.4466,
0.5043


 76.0480, 0.4216,
0.4666


 18.3197, 0.4543,
0.5186


 99.6942, 0.4144,
0.4565


 11.1798, 0.4633,
0.5367


 127.7948, 0.4078,
0.4477

 6.1879, 0.4579,
0.5421

 160.7342, 0.4019,
0.4398

 2.9597, 0.4496,
0.5504

 198.8969, 0.3967,
0.4329

 1.1107, 0.4346,
0.5654

 242.6671, 0.3919,

 0.0000, 0.0000,

0.4267

0.0000

292.4294, 0.3876,
0.4211

■ 40.5814, 0.4380,
0.4905

■ 40.5814, 0.4380,
0.4905

■ 40.5839, 0.4380,
0.4905

■ 41.3596, 0.4333,
0.4880

■ 42.1922, 0.4264,
0.4819

■ 43.0985, 0.4167,
0.4715

■ 44.0871, 0.4046,
0.4569

■ 45.1652, 0.3906,
0.4389

■ 46.3391, 0.3753,
0.4183

■ 47.6146, 0.3594,
0.3963

■ 48.9970, 0.3433,
0.3736

■ 50.4909, 0.3277,
0.3509

Harmonies

Analogous

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



40.5814, 0.5030, 0.4203



40.5814, 0.4380, 0.4905



40.5814, 0.3469, 0.5274

Triad

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



40.5814, 0.4380, 0.4905



40.5814, 0.1451, 0.2566



40.5814, 0.3513, 0.2253

Complementary

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



40.5814, 0.4380, 0.4905



4.2273, 0.1519, 0.0666

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.



40.5814, 0.2494, 0.1890



40.5814, 0.4380, 0.4905



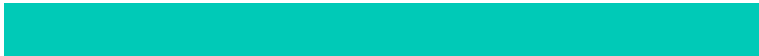
40.5814, 0.1466, 0.1980

Square

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



40.5814, 0.4380, 0.4905



40.5814, 0.1793, 0.3622



40.5814, 0.1804, 0.1785



40.5814, 0.4570, 0.2815

Rectangle

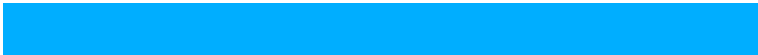
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5814, 0.4380, 0.4905



40.5814, 0.2825, 0.5068



40.5814, 0.1804, 0.1785



40.5814, 0.3147, 0.2106

Sweetspot

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



40.5839, 0.4380, 0.4905



85.1629, 0.3601, 0.3973



11.1241, 0.6288, 0.3238



18.4827, 0.3670, 0.4069



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.



40.5839, 0.4380, 0.4905



72.4791, 0.4383, 0.4902



40.8806, 0.3510, 0.5595



10.9539, 0.3267, 0.3495



26.7372, 0.4377, 0.4907



1.0948, 0.4328, 0.4946

Inverse Universe

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



4.2273, 0.1519, 0.0666



7.4154, 0.1515, 0.0654



5.3147, 0.1842, 0.0789



9.3740, 0.2984, 0.3077



2.8345, 0.1522, 0.0678



0.1629, 0.1596, 0.0945

Previews

White Background



This preview shows how the Yxy color 40.5814, 0.4380, 0.4905 looks on a white background.

Color Contrast Check

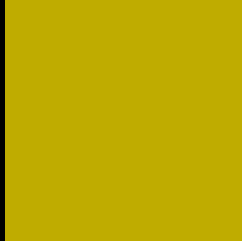
Large Text (above 18pt) WCAG AA × Fail

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 40.5814, 0.4380, 0.4905 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 40.5814, 0.4380, 0.4905

Background



This preview shows how black text looks on a background with the Yxy color 40.5814, 0.4380, 0.4905.



This preview shows how white text looks on a background with the Yxy color 40.5814, 0.4380, 0.4905.

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

40.5814, 0.4380, 0.4905

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

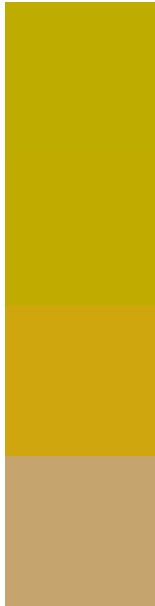
40.4975, 0.4688, 0.4588



Tritanopia

40.5377, 0.3414, 0.3138

Trichromacy



Original Color

40.5814, 0.4380, 0.4905

Protanomaly

40.3323, 0.4400, 0.4888

Deuteranomaly

40.5695, 0.4577, 0.4707

Tritanomaly

39.5254, 0.3961, 0.4008

Monochromacy



Original Color

40.5814, 0.4380, 0.4905

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 40.5814, 0.4380, 0.4905 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, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 172, 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, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 172, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.5814, 0.4380, 0.4905 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, 172, 0) }
```

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

```
.border{ border-color:rgb(191, 172, 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, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 172,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5814, 0.4380, 0.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 172, 0) }
```

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

```
.background{ background-color: rgb(191,  
172, 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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