

Converting Colors

$Y_{xy}(40.8922, 0.4374, 0.4909)$

Have a look what the booklet for
Yxy(40.8922, 0.4374, 0.4909)
contains.

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Color

Yxy(40.9635, 0.4369, 0.4913)

Conversions

Conversions Part 1

Format	Color
Hex	BFAD00
RGB	191, 173, 0
RGB Percent	75%, 68%, 0%
CMY	0.2510, 0.3215, 1.0000
CMYK	0.00, 0.09, 1.00, 0.25
HSL	54°, 100%, 37%
HSV	54°, 100%, 75%
XYZ	36.4277, 40.9635, 5.9865
YIQ	158.6600, 66.2610, -49.9870

Conversions

Conversions Part 2

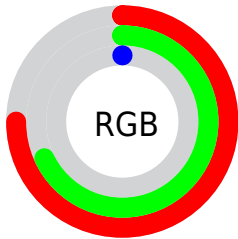
Format	Color
R _Y B	20, 191, 0
Decimal	12561664
CIE Lab	70.15, -8.15, 72.48
CIE LCh	70, 72.941, 96.413
Yxy	40.9635, 0.4369, 0.4913
Android (android.graphics.Color)	4290751744 (0xFFBFAD00)
YUV	158.6600, -78.2194, 28.3622
Hunter-Lab	64.0027, -10.4099, 39.2562

Details

The Yxy color **40.9635, 0.4369, 0.4913** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.1935, 0.1517, 0.0661**, and the grayscale version is **34.8500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5461, 0.4207, 0.4673**, and **18.6613, 0.4356, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **40.9652, 0.4369, 0.4913**, and if you desaturate by 10%, it is **41.7072, 0.4324, 0.4888**.

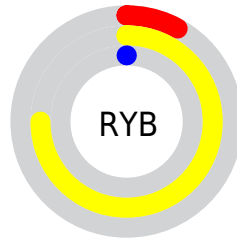
Distribution



Red (75%)

Green (68%)

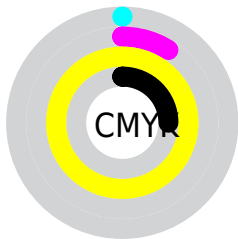
Blue (0%)



Red (8%)

Yellow (75%)

Blue (0%)

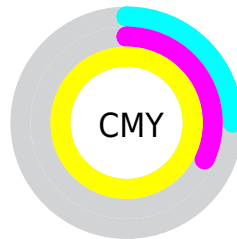


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9635, 0.4369, 0.4913 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 40.9635, 0.4369, 0.4913 by changing the saturation by 10% instead.

 40.9635, 0.4369,
0.4913

 40.9635, 0.4369,
0.4913


350.1680, 0.3833,
0.4165

 28.2906, 0.4453,
0.5052


 76.6285, 0.4207,
0.4672

 18.5448, 0.4529,
0.5197


 100.3893, 0.4136,
0.4571


 11.3418, 0.4617,
0.5383

 128.6149, 0.4071,
0.4482

 6.2972, 0.4561,
0.5439

 161.6897, 0.4013,
0.4403

 3.0267, 0.4472,
0.5528

 199.9980, 0.3961,
0.4333

 1.1457, 0.4315,
0.5685

 243.9242, 0.3914,

 0.0166, 0.0000,

0.4271

1.0000

293.8527, 0.3872,
0.4215

■ 0.0000, 0.0000,
0.0000

■ 40.9635, 0.4369,
0.4913

■ 40.9635, 0.4369,
0.4913

■ 40.9652, 0.4369,
0.4913

■ 41.7072, 0.4324,
0.4888

■ 42.5048, 0.4256,
0.4826

■ 43.3751, 0.4161,
0.4721

■ 44.3265, 0.4042,
0.4575

■ 45.3663, 0.3903,
0.4394

■ 46.5009, 0.3751,
0.4188

■ 47.7360, 0.3593,
0.3966

■ 49.0768, 0.3433,
0.3738

■ 50.5281, 0.3276,
0.3511

Harmonies

Analogous

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



40.9635, 0.5024, 0.4213



40.9635, 0.4369, 0.4913



40.9635, 0.3456, 0.5274

Triad

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



40.9635, 0.4369, 0.4913



40.9635, 0.1450, 0.2556



40.9635, 0.3528, 0.2259

Complementary

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



40.9635, 0.4369, 0.4913



4.1935, 0.1517, 0.0661

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.



40.9635, 0.2506, 0.1894



40.9635, 0.4369, 0.4913



40.9635, 0.1468, 0.1975

Square

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



40.9635, 0.4369, 0.4913



40.9635, 0.1786, 0.3606



40.9635, 0.1811, 0.1785



40.9635, 0.4581, 0.2823

Rectangle

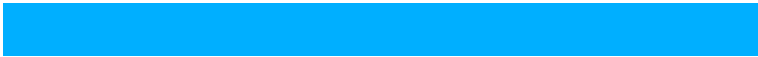
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9635, 0.4369, 0.4913



40.9635, 0.2813, 0.5059



40.9635, 0.1811, 0.1785



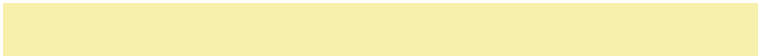
40.9635, 0.3162, 0.2111

Sweetspot

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



40.9655, 0.4369, 0.4913



85.3948, 0.3600, 0.3977



11.1227, 0.6288, 0.3238



18.5404, 0.3669, 0.4073



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.



40.9655, 0.4369, 0.4913



73.1816, 0.4372, 0.4911



40.8751, 0.3510, 0.5595



10.9627, 0.3266, 0.3496



26.9884, 0.4366, 0.4915



1.1024, 0.4320, 0.4952

Inverse Universe

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



4.1935, 0.1517, 0.0661



7.3614, 0.1514, 0.0650



5.3143, 0.1842, 0.0789



9.3660, 0.2984, 0.3075



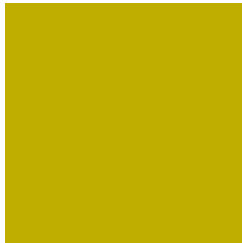
2.8105, 0.1520, 0.0673



0.1594, 0.1591, 0.0928

Previews

White Background



This preview shows how the Yxy color 40.9635, 0.4369, 0.4913 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 40.9635, 0.4369, 0.4913 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 40.9635, 0.4369, 0.4913

Background



This preview shows how black text looks on a background with the Yxy color 40.9635, 0.4369, 0.4913.

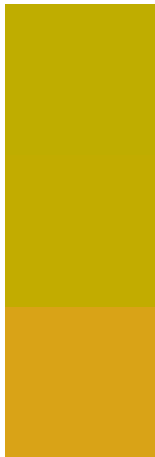


This preview shows how white text looks on a background with the Yxy color 40.9635, 0.4369, 0.4913.

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

40.9635, 0.4369, 0.4913

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

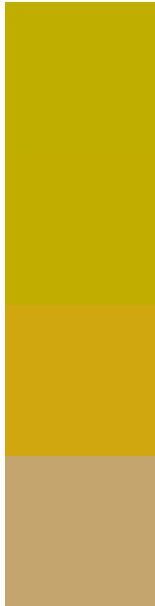
41.0080, 0.4683, 0.4587



Tritanopia

40.9244, 0.3403, 0.3138

Trichromacy



Original Color

40.9635, 0.4369, 0.4913

Protanomaly

40.8425, 0.4399, 0.4889

Deuteranomaly

41.0818, 0.4574, 0.4707

Tritanomaly

39.9064, 0.3946, 0.4007

Monochromacy



Original Color

40.9635, 0.4369, 0.4913

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1484, 0.3763, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9635, 0.4369, 0.4913 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, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 173, 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, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.9635, 0.4369, 0.4913 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, 173, 0) }
```

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

```
.border{ border-color:rgb(191, 173, 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, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9635, 0.4369, 0.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 173, 0) }
```

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

```
.background{ background-color: rgb(191,  
173, 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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