

Converting Colors

$Y_{xy}(40.8348, 0.4603, 0.4388)$

Have a look what the booklet for
Yxy(40.8348, 0.4603, 0.4388)
contains.

Yxy(40.9909, 0.4603, 0.4391)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9909, 0.4603, 0.4391)

Conversions

Conversions Part 1

Format	Color
Hex	DCA138
RGB	220, 161, 56
RGB Percent	86%, 63%, 22%
CMY	0.1373, 0.3686, 0.7803
CMYK	0.00, 0.27, 0.75, 0.14
HSL	38°, 70%, 54%
HSV	38°, 75%, 86%
XYZ	42.9700, 40.9909, 9.3912
YIQ	166.6710, 68.8690, -20.1470

Conversions

Conversions Part 2

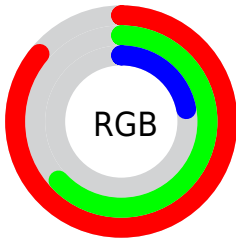
Format	Color
RYB	148, 220, 56
Decimal	14459192
CIELab	70.17, 12.33, 60.20
CIELCh	70, 61.452, 78.428
Yxy	40.9909, 0.4603, 0.4391
Android (android.graphics.Color)	4292649272 (0xFFDCA138)
YUV	166.6710, -54.5608, 46.7695
Hunter-Lab	64.0241, 7.7585, 36.1201

Details

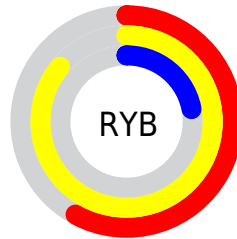
The Yxy color **40.9909, 0.4603, 0.4391** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.2668, 0.1896, 0.1675**, and the grayscale version is **38.7224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4759, 0.4163, 0.4340**, and **18.6254, 0.4868, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **38.1442, 0.4788, 0.4432**, and if you desaturate by 10%, it is **44.1111, 0.4395, 0.4303**.

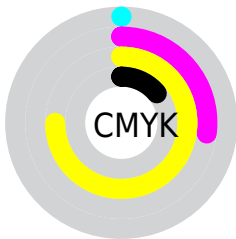
Distribution



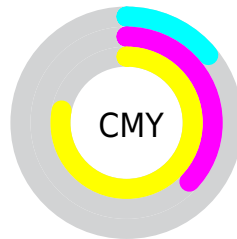
- Red (86%)
- Green (63%)
- Blue (22%)



- Red (58%)
- Yellow (86%)
- Blue (22%)



- Cyan (0%)
- Magenta (27%)
- Yellow (75%)
- Black (14%)





- Cyan (14%)
- Magenta (37%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9909, 0.4603, 0.4391 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 40.9909, 0.4603, 0.4391 by changing the saturation by 10% instead.


 40.9909, 0.4603,
0.4391

 40.9909, 0.4603,
0.4391


350.2826, 0.3898,
0.3908

 28.3120, 0.4751,
0.4475


 76.6701, 0.4365,
0.4240

 18.5610, 0.4919,
0.4558


 100.4391, 0.4269,
0.4175


 11.3535, 0.5110,
0.4632


 128.6737, 0.4186,
0.4118

 6.3051, 0.5323,
0.4677

 161.7581, 0.4114,
0.4066

 3.0315, 0.5443,
0.4557

 200.0768, 0.4050,
0.4020

 1.1482, 0.5647,
0.4353

 244.0142, 0.3993,

 0.0188, 0.9444,

0.3979

0.0556

293.9547, 0.3943,
0.3942

■ 0.0000, 0.0000,
0.0000

■ 40.9909, 0.4603,
0.4391

■ 40.9909, 0.4603,
0.4391

■ 38.1442, 0.4788,
0.4432

■ 44.1111, 0.4395,
0.4303

■ 35.5484, 0.4942,
0.4422

■ 47.5129, 0.4176,
0.4177

■ 34.2227, 0.5016,
0.4400

■ 51.2109, 0.3957,
0.4027

■ 55.2164, 0.3744,
0.3862

■ 59.5399, 0.3545,
0.3692

■ 64.1914, 0.3362,
0.3523

■ 69.1802, 0.3197,
0.3361

■ 74.5150, 0.3048,
0.3207

■ 80.2043, 0.2916,
0.3064

Harmonies

Analogous

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



40.9909, 0.4888, 0.3763



40.9909, 0.4603, 0.4391



40.9909, 0.3940, 0.4870

Triad

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



40.9909, 0.4603, 0.4391



40.9909, 0.1811, 0.3181



40.9909, 0.2931, 0.2173

Complementary

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



40.9909, 0.4603, 0.4391



18.2668, 0.1896, 0.1675

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.



40.9909, 0.2194, 0.1981



40.9909, 0.4603, 0.4391



40.9909, 0.1629, 0.2430

Square

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



40.9909, 0.4603, 0.4391



40.9909, 0.2331, 0.4169



40.9909, 0.1760, 0.2049



40.9909, 0.3850, 0.2581

Rectangle

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



40.9909, 0.4603, 0.4391



40.9909, 0.3393, 0.4944



40.9909, 0.1760, 0.2049



40.9909, 0.2655, 0.2082

Sweetspot

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



40.9929, 0.4603, 0.4391



84.6948, 0.3501, 0.3652



19.3074, 0.4741, 0.2686



17.7586, 0.3553, 0.3698



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.9929, 0.4603, 0.4391



51.3767, 0.4873, 0.4433



63.4837, 0.3923, 0.5019



14.4351, 0.3276, 0.3439



20.3070, 0.5000, 0.4412



1.4766, 0.4835, 0.4543

Inverse Universe

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



18.2668, 0.1896, 0.1675



18.5486, 0.1725, 0.1329



9.6117, 0.1825, 0.1004



13.3799, 0.2981, 0.3136



6.5174, 0.1655, 0.1157



0.5823, 0.1746, 0.1486

Previews

White Background



This preview shows how the Yxy color 40.9909, 0.4603, 0.4391 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 40.9909, 0.4603, 0.4391 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 40.9909, 0.4603, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 40.9909, 0.4603, 0.4391.



This preview shows how white text looks on a background with the Yxy color 40.9909, 0.4603, 0.4391.

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

40.9909, 0.4603, 0.4391

Protanopia

41.0273, 0.4217, 0.4641

Deuteranopia

40.9173, 0.4543, 0.4446



Tritanopia

41.0727, 0.3794, 0.3163

Trichromacy



Original Color

40.9909, 0.4603, 0.4391

Protanomaly

40.8673, 0.4356, 0.4550

Deuteranomaly

40.8682, 0.4571, 0.4424

Tritanomaly

40.7200, 0.4150, 0.3671

Monochromacy



Original Color

40.9909, 0.4603, 0.4391

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.8817, 0.3679, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9909, 0.4603, 0.4391 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(220, 161, 56)` looks like.

```
.text, #text, p{  
    color:rgb(220, 161, 56)  
}
```

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(220, 161, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 161, 56) }
```

Border

The CSS property to change the border of an element to Yxy 40.9909, 0.4603, 0.4391 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(220, 161, 56) }
```

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

```
.border{ border-color:rgb(220, 161, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 161, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 161, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 161, 56);  
box-shadow:4px 4px 4px 4px rgb(220, 161,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9909, 0.4603, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 161, 56) }
```

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

```
.background{ background-color: rgb(220,  
161, 56) }
```

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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