

Converting Colors

$Y_{xy}(40.6858, 0.4398, 0.4314)$

Have a look what the booklet for
Yxy(40.6858, 0.4398, 0.4314)
contains.

Yxy(40.6858, 0.4398, 0.4314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6858, 0.4398, 0.4314)

Conversions

Conversions Part 1

Format	Color
Hex	D4A34A
RGB	212, 163, 74
RGB Percent	83%, 64%, 29%
CMY	0.1688, 0.3607, 0.7098
CMYK	0.00, 0.23, 0.65, 0.17
HSL	39°, 62%, 56%
HSV	39°, 65%, 83%
XYZ	41.4780, 40.6858, 12.1473
YIQ	167.5050, 57.7730, -17.2910

Conversions

Conversions Part 2

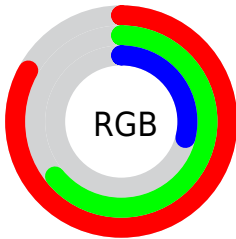
Format	Color
RYB	150, 212, 74
Decimal	13935434
CIELab	69.96, 8.76, 51.92
CIELCh	70, 52.652, 80.426
Yxy	40.6858, 0.4398, 0.4314
Android (android.graphics.Color)	4292125514 (0xFFD4A34A)
YUV	167.5050, -46.0980, 39.0221
Hunter-Lab	63.7854, 4.4495, 33.3586

Details

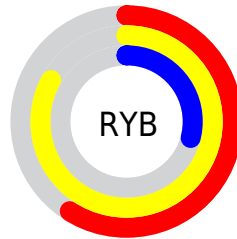
The Yxy color **40.6858, 0.4398, 0.4314** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **20.3644, 0.2032, 0.1900**, and the grayscale version is **39.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9092, 0.4048, 0.4212**, and **18.5089, 0.4697, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **37.8562, 0.4602, 0.4402**, and if you desaturate by 10%, it is **43.7744, 0.4182, 0.4189**.

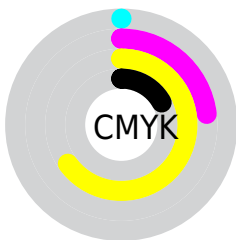
Distribution



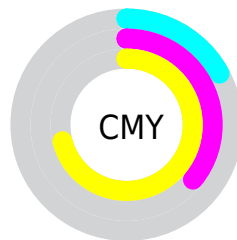
- Red (83%)
- Green (64%)
- Blue (29%)



- Red (59%)
- Yellow (83%)
- Blue (29%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (17%)




- Cyan (17%)
- Magenta (36%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6858, 0.4398, 0.4314 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 40.6858, 0.4398, 0.4314 by changing the saturation by 10% instead.


 40.6858, 0.4398,
0.4314


 40.6858, 0.4398,
0.4314


349.0057, 0.3778,
0.3841


 28.0737, 0.4536,
0.4409

 76.2067, 0.4183,
0.4157


 18.3812, 0.4698,
0.4513


 99.8842, 0.4099,
0.4093


 11.2240, 0.4886,
0.4619


 128.0190, 0.4026,
0.4037

 6.2177, 0.5197,
0.4803

 160.9955, 0.3963,
0.3988

 2.9779, 0.5285,
0.4715

 199.1980, 0.3908,
0.3945

 1.1202, 0.5437,
0.4563

243.0109, 0.3860,

 0.0000, 1.0000,

0.3906

0.0000

292.8187, 0.3817,
0.3872

0.0000, 0.0000,
0.0000

40.6858, 0.4398,
0.4314

40.6858, 0.4398,
0.4314

37.8562, 0.4602,
0.4402

43.7744, 0.4182,
0.4189

35.2669, 0.4784,
0.4442

47.1275, 0.3964,
0.4039

32.9047, 0.4934,
0.4431

50.7574, 0.3753,
0.3874

31.8148, 0.5000,
0.4412

54.6737, 0.3554,
0.3703

58.8853, 0.3371,
0.3534

■ 63.4006, 0.3205,
0.3370

■ 68.2275, 0.3056,
0.3215

■ 73.3738, 0.2923,
0.3071

■ 78.2004, 0.2859,
0.3034

Harmonies

Analogous

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



40.6858, 0.4652, 0.3774



40.6858, 0.4398, 0.4314



40.6858, 0.3814, 0.4675

Triad

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



40.6858, 0.4398, 0.4314



40.6858, 0.1956, 0.3159



40.6858, 0.3015, 0.2322

Complementary

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



40.6858, 0.4398, 0.4314



20.3644, 0.2032, 0.1900

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.



40.6858, 0.2350, 0.2138



40.6858, 0.4398, 0.4314



40.6858, 0.1803, 0.2522

Square

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



40.6858, 0.4398, 0.4314



40.6858, 0.2406, 0.3982



40.6858, 0.1938, 0.2190



40.6858, 0.3805, 0.2701

Rectangle

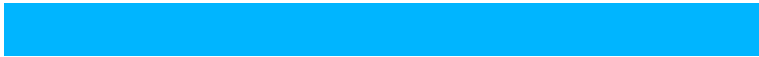
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.6858, 0.4398, 0.4314



40.6858, 0.3333, 0.4686



40.6858, 0.1938, 0.2190



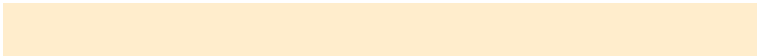
40.6858, 0.2769, 0.2237

Sweetspot

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



40.6878, 0.4398, 0.4314



86.1326, 0.3463, 0.3620



20.3618, 0.4431, 0.2712



18.0512, 0.3516, 0.3668



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.



40.6878, 0.4398, 0.4314



56.0051, 0.4674, 0.4423



58.9783, 0.3868, 0.4863



13.7440, 0.3275, 0.3440



19.8425, 0.4985, 0.4424



1.3502, 0.4814, 0.4560

Inverse Universe

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



20.3644, 0.2032, 0.1900



23.1581, 0.1840, 0.1564



11.9473, 0.1992, 0.1267



12.7225, 0.2982, 0.3135



6.2317, 0.1652, 0.1146



0.5295, 0.1749, 0.1497

Previews

White Background



This preview shows how the Yxy color 40.6858, 0.4398, 0.4314 looks on a white background.

Color Contrast Check

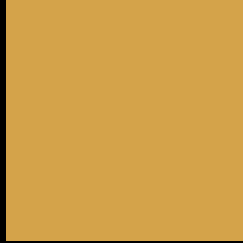
Large Text (above 18pt) WCAG AA × Fail

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 40.6858, 0.4398, 0.4314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

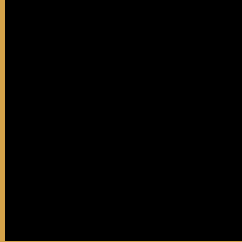
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6858, 0.4398, 0.4314

Background



This preview shows how black text looks on a background with the Yxy color 40.6858, 0.4398, 0.4314.



This preview shows how white text looks on a background with the Yxy color 40.6858, 0.4398, 0.4314.

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

40.6858, 0.4398, 0.4314

Protanopia

40.6088, 0.4097, 0.4480

Deuteranopia

40.6858, 0.4398, 0.4314



Tritanopia

40.5591, 0.3677, 0.3147

Trichromacy



Original Color

40.6858, 0.4398, 0.4314

Protanomaly

40.5328, 0.4206, 0.4417

Deuteranomaly

40.6858, 0.4398, 0.4314

Tritanomaly

40.3788, 0.3970, 0.3599

Monochromacy



Original Color

40.6858, 0.4398, 0.4314

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.1840, 0.3590, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6858, 0.4398, 0.4314 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(212, 163, 74)` looks like.

```
.text, #text, p{  
    color:rgb(212, 163, 74)  
}
```

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(212, 163, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 163, 74) }
```

Border

The CSS property to change the border of an element to Yxy 40.6858, 0.4398, 0.4314 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(212, 163, 74) }
```

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

```
.border{ border-color:rgb(212, 163, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 163, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 163, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 163, 74);  
box-shadow:4px 4px 4px 4px rgb(212, 163,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6858, 0.4398, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 163, 74) }
```

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

```
.background{ background-color: rgb(212,  
163, 74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor