

Converting Colors

$Y_{xy}(41.0517, 0.4349, 0.4142)$

Have a look what the booklet for
Yxy(41.0517, 0.4349, 0.4142)
contains.

Yxy(40.9460, 0.4359, 0.4139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.9460, 0.4359, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	D9A158
RGB	217, 161, 88
RGB Percent	85%, 63%, 35%
CMY	0.1490, 0.3686, 0.6550
CMYK	0.00, 0.26, 0.59, 0.15
HSL	34°, 63%, 60%
HSV	34°, 59%, 85%
XYZ	43.1224, 40.9460, 14.8589
YIQ	169.4220, 56.8090, -10.8310

Conversions

Conversions Part 2

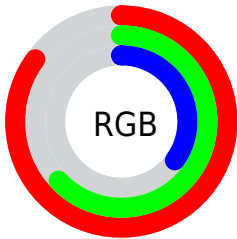
Format	Color
R _Y B	187, 217, 88
Decimal	14262616
CIE Lab	70.14, 12.92, 45.55
CIE LCh	70, 47.341, 74.167
Yxy	40.9460, 0.4359, 0.4139
Android (android.graphics.Color)	4292452696 (0xFFD9A158)
YUV	169.4220, -40.1410, 41.7259
Hunter-Lab	63.9891, 8.3108, 31.0246

Details

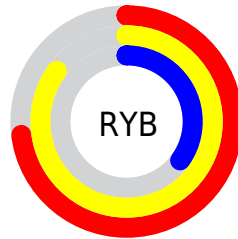
The Yxy color **40.9460, 0.4359, 0.4139** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.0259, 0.2156, 0.2197**, and the grayscale version is **40.0784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2652, 0.3966, 0.4064**, and **18.6627, 0.4675, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **37.4712, 0.4606, 0.4233**, and if you desaturate by 10%, it is **44.7798, 0.4112, 0.4015**.

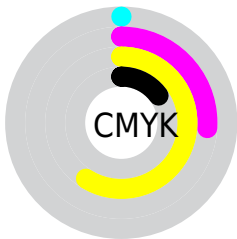
Distribution



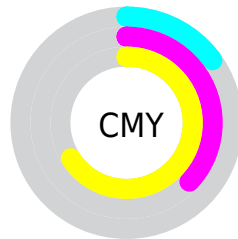
- Red (85%)
- Green (63%)
- Blue (35%)



- Red (73%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (26%)
- Yellow (59%)
- Black (15%)





- Cyan (15%)
- Magenta (37%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9460, 0.4359, 0.4139 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 40.9460, 0.4359, 0.4139 by changing the saturation by 10% instead.


 40.9460, 0.4359,
0.4139


 40.9460, 0.4359,
0.4139


350.0949, 0.3747,
0.3747

 28.2769, 0.4502,
0.4219


 76.6019, 0.4142,
0.4009

 18.5345, 0.4676,
0.4308


 100.3575, 0.4058,
0.3956

 11.3344, 0.4889,
0.4400


 128.5774, 0.3987,
0.3910

 6.2922, 0.5173,
0.4506

 161.6459, 0.3926,
0.3869

 3.0236, 0.5469,
0.4531

199.9476, 0.3872,
0.3833

 1.1441, 0.5683,
0.4317

243.8667, 0.3825,

 0.0153, 0.9557,

0.3801

0.0443

293.7877, 0.3784,
0.3773

0.0000, 0.0000,
0.0000

40.9460, 0.4359,
0.4139

40.9460, 0.4359,
0.4139

37.4712, 0.4606,
0.4233

44.7798, 0.4112,
0.4015

34.3342, 0.4839,
0.4284

48.9805, 0.3876,
0.3872

31.5197, 0.5046,
0.4284

53.5630, 0.3656,
0.3721

29.0025, 0.5219,
0.4234

58.5392, 0.3457,
0.3570

28.8727, 0.5228,
0.4231

63.9205, 0.3278,
0.3423

■ 69.7178, 0.3119,
0.3283

■ 75.9412, 0.2979,
0.3152

■ 82.1692, 0.2893,
0.3097

■ 87.7479, 0.2897,
0.3195

Harmonies

Analogous

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



40.9460, 0.4497, 0.3639



40.9460, 0.4359, 0.4139



40.9460, 0.3887, 0.4498

Triad

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



40.9460, 0.4359, 0.4139



40.9460, 0.2130, 0.3329



40.9460, 0.2889, 0.2355

Complementary

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



40.9460, 0.4359, 0.4139



27.0259, 0.2156, 0.2197

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.



40.9460, 0.2324, 0.2230



40.9460, 0.4359, 0.4139



40.9460, 0.1926, 0.2703

Square

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



40.9460, 0.4359, 0.4139



40.9460, 0.2598, 0.4048



40.9460, 0.1995, 0.2334



40.9460, 0.3593, 0.2671

Rectangle

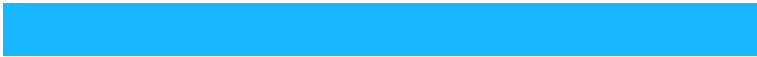
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9460, 0.4359, 0.4139



40.9460, 0.3465, 0.4556



40.9460, 0.1995, 0.2334



40.9460, 0.2678, 0.2290

Sweetspot

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



40.9480, 0.4359, 0.4139



85.3293, 0.3432, 0.3551



23.8059, 0.4101, 0.2618



17.7957, 0.3488, 0.3595



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.



40.9480, 0.4359, 0.4139



52.9676, 0.4658, 0.4248



64.1164, 0.3914, 0.4707



14.2683, 0.3277, 0.3422



17.6908, 0.5209, 0.4246



1.3163, 0.4999, 0.4413

Inverse Universe

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



27.0259, 0.2156, 0.2197



31.3042, 0.1981, 0.1927



14.3894, 0.2019, 0.1405



13.5422, 0.2982, 0.3154



8.1007, 0.1715, 0.1373



0.6941, 0.1803, 0.1691

Previews

White Background



This preview shows how the Yxy color 40.9460, 0.4359, 0.4139 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 40.9460, 0.4359, 0.4139 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 40.9460, 0.4359, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 40.9460, 0.4359, 0.4139.



This preview shows how white text looks on a background with the Yxy color 40.9460, 0.4359, 0.4139.

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

40.9460, 0.4359, 0.4139

Protanopia

41.0966, 0.3972, 0.4333

Deuteranopia

41.0879, 0.4285, 0.4206



Tritanopia

40.8248, 0.3730, 0.3149

Trichromacy



Original Color

40.9460, 0.4359, 0.4139

Protanomaly

40.9027, 0.4106, 0.4258

Deuteranomaly

41.0286, 0.4312, 0.4187

Tritanomaly

40.5924, 0.3989, 0.3521

Monochromacy



Original Color

40.9460, 0.4359, 0.4139

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6050, 0.3555, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9460, 0.4359, 0.4139 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(217, 161, 88)` looks like.

```
.text, #text, p{  
    color:rgb(217, 161, 88)  
}
```

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(217, 161, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 161, 88) }
```

Border

The CSS property to change the border of an element to Yxy 40.9460, 0.4359, 0.4139 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(217, 161, 88) }
```

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

```
.border{ border-color:rgb(217, 161, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 161, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 161, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 161, 88);  
box-shadow:4px 4px 4px 4px rgb(217, 161,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9460, 0.4359, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 161, 88) }
```

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

```
.background{ background-color: rgb(217,  
161, 88) }
```

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