

Converting Colors

$Yxy(40.2034, 0.4315, 0.4059)$

Have a look what the booklet for
Yxy(40.2034, 0.4315, 0.4059)
contains.

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Color

Yxy(40.2034, 0.4315, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	D89F5E
RGB	216, 159, 94
RGB Percent	85%, 62%, 37%
CMY	0.1529, 0.3765, 0.6312
CMYK	0.00, 0.26, 0.56, 0.15
HSL	32°, 61%, 61%
HSV	32°, 56%, 85%
XYZ	42.7390, 40.2034, 16.1051
YIQ	168.6330, 54.8370, -8.1310

Conversions

Conversions Part 2

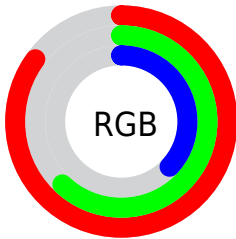
Format	Color
RYB	201, 216, 94
Decimal	14196574
CIELab	69.61, 14.03, 41.84
CIElCh	70, 44.130, 71.460
Yxy	40.2034, 0.4315, 0.4059
Android (android.graphics.Color)	4292386654 (0xFFD89F5E)
YUV	168.6330, -36.7941, 41.5409
Hunter-Lab	63.4062, 9.3574, 29.3247

Details

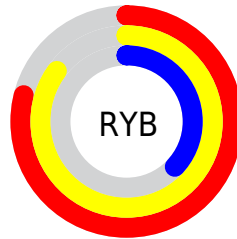
The Yxy color **40.2034, 0.4315, 0.4059** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **29.4836, 0.2216, 0.2326**, and the grayscale version is **39.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4285, 0.3933, 0.3987**, and **18.1837, 0.4630, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **36.5388, 0.4577, 0.4156**, and if you desaturate by 10%, it is **44.2639, 0.4059, 0.3936**.

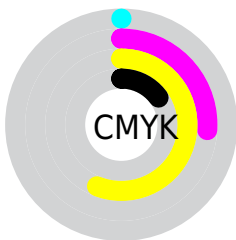
Distribution



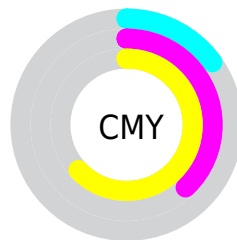
- Red (85%)
- Green (62%)
- Blue (37%)



- Red (79%)
- Yellow (85%)
- Blue (37%)



- Cyan (0%)
- Magenta (26%)
- Yellow (56%)
- Black (15%)





- Cyan (15%)
- Magenta (38%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2034, 0.4315, 0.4059 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 40.2034, 0.4315, 0.4059 by changing the saturation by 10% instead.

 40.2034, 0.4315,
0.4059

 40.2034, 0.4315,
0.4059


346.9801, 0.3718,
0.3702


 27.6972, 0.4458,
0.4133


 75.4731, 0.4101,
0.3939


 18.0975, 0.4634,
0.4217


 99.0054, 0.4019,
0.3891

 11.0200, 0.4854,
0.4306


 126.9819, 0.3950,
0.3849

 6.0803, 0.5138,
0.4396

 159.7869, 0.3891,
0.3812

 2.8940, 0.5527,
0.4473

197.8048, 0.3839,
0.3780

 1.0766, 0.5764,
0.4236

241.4201, 0.3793,

 0.0000, 1.0000,

0.3751

0.0000

291.0170, 0.3753,
0.3725

0.0000, 0.0000,
0.0000

40.2034, 0.4315,
0.4059

40.2034, 0.4315,
0.4059

36.5388, 0.4577,
0.4156

44.2639, 0.4059,
0.3936

33.2483, 0.4832,
0.4215

48.7293, 0.3819,
0.3798

30.3160, 0.5065,
0.4223

53.6152, 0.3600,
0.3654

27.7207, 0.5261,
0.4177

58.9345, 0.3403,
0.3512

26.8738, 0.5325,
0.4154

64.6995, 0.3229,
0.3375

■ 70.9219, 0.3075,
0.3245

■ 77.6128, 0.2941,
0.3125

■ 83.9970, 0.2888,
0.3132

■ 90.0987, 0.2892,
0.3237

Harmonies

Analogous

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



40.2034, 0.4405, 0.3582



40.2034, 0.4315, 0.4059



40.2034, 0.3897, 0.4407

Triad

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



40.2034, 0.4315, 0.4059



40.2034, 0.2218, 0.3392



40.2034, 0.2850, 0.2386

Complementary

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



40.2034, 0.4315, 0.4059



29.4836, 0.2216, 0.2326

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.



40.2034, 0.2332, 0.2286



40.2034, 0.4315, 0.4059



40.2034, 0.1998, 0.2786

Square

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



40.2034, 0.4315, 0.4059



40.2034, 0.2683, 0.4050



40.2034, 0.2040, 0.2411



40.2034, 0.3506, 0.2673

Rectangle

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



40.2034, 0.4315, 0.4059



40.2034, 0.3507, 0.4477



40.2034, 0.2040, 0.2411



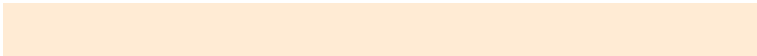
40.2034, 0.2655, 0.2330

Sweetspot

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



40.2054, 0.4315, 0.4059



85.2645, 0.3416, 0.3521



24.9104, 0.3969, 0.2597



17.9047, 0.3454, 0.3550



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.



40.2054, 0.4315, 0.4059



52.1218, 0.4633, 0.4173



64.2125, 0.3917, 0.4631



13.5051, 0.3278, 0.3414



16.1245, 0.5304, 0.4171



1.1376, 0.5061, 0.4364

Inverse Universe

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



29.4836, 0.2216, 0.2326



35.0608, 0.2041, 0.2073



15.4603, 0.2051, 0.1493



12.9559, 0.2982, 0.3163



8.6489, 0.1745, 0.1480



0.6865, 0.1835, 0.1807

Previews

White Background



This preview shows how the Yxy color 40.2034, 0.4315, 0.4059 looks on a white background.

Color Contrast Check

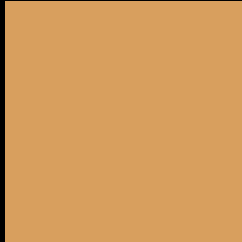
Large Text (above 18pt) WCAG AA × Fail

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 40.2034, 0.4315, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

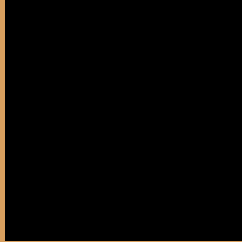
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2034, 0.4315, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 40.2034, 0.4315, 0.4059.



This preview shows how white text looks on a background with the Yxy color 40.2034, 0.4315, 0.4059.

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

40.2034, 0.4315, 0.4059

Protanopia

40.1961, 0.3918, 0.4248

Deuteranopia

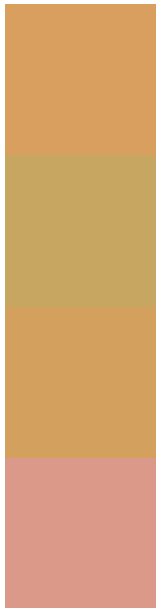
40.0409, 0.4223, 0.4133



Tritanopia

40.1140, 0.3734, 0.3160

Trichromacy



Original Color

40.2034, 0.4315, 0.4059

Protanomaly

40.1413, 0.4062, 0.4172

Deuteranomaly

40.1289, 0.4260, 0.4111

Tritanomaly

39.9774, 0.3963, 0.3499

Monochromacy



Original Color

40.2034, 0.4315, 0.4059

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.3024, 0.3539, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2034, 0.4315, 0.4059 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(216, 159, 94)` looks like.

```
.text, #text, p{  
    color:rgb(216, 159, 94)  
}
```

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(216, 159, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 159, 94) }
```

Border

The CSS property to change the border of an element to Yxy 40.2034, 0.4315, 0.4059 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(216, 159, 94) }
```

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

```
.border{ border-color:rgb(216, 159, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 159, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 159, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 159, 94);  
box-shadow:4px 4px 4px 4px rgb(216, 159,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2034, 0.4315, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 159, 94) }
```

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

```
.background{ background-color: rgb(216,  
159, 94) }
```

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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