

Converting Colors

$Y_{xy}(40.3321, 0.4407, 0.4303)$

Have a look what the booklet for
Yxy(40.3321, 0.4407, 0.4303)
contains.

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Color

Yxy(40.3321, 0.4407, 0.4303)

Conversions

Conversions Part 1

Format	Color
Hex	D4A24A
RGB	212, 162, 74
RGB Percent	83%, 64%, 29%
CMY	0.1687, 0.3647, 0.7097
CMYK	0.00, 0.24, 0.65, 0.17
HSL	38°, 62%, 56%
HSV	38°, 65%, 83%
XYZ	41.3069, 40.3321, 12.0912
YIQ	166.9180, 58.0480, -16.7680

Conversions

Conversions Part 2

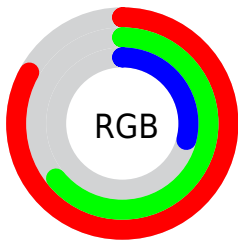
Format	Color
RYB	152, 212, 74
Decimal	13935178
CIELab	69.71, 9.31, 51.64
CIElCh	70, 52.469, 79.778
Yxy	40.3321, 0.4407, 0.4303
Android (android.graphics.Color)	4292125258 (0xFFD4A24A)
YUV	166.9180, -45.8086, 39.5369
Hunter-Lab	63.5076, 4.9626, 33.1671

Details

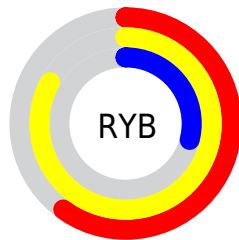
The Yxy color **40.3321, 0.4407, 0.4303** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **20.6290, 0.2036, 0.1916**, and the grayscale version is **38.8099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3921, 0.4054, 0.4203**, and **18.2894, 0.4712, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **37.4707, 0.4615, 0.4389**, and if you desaturate by 10%, it is **43.4590, 0.4188, 0.4180**.

Distribution



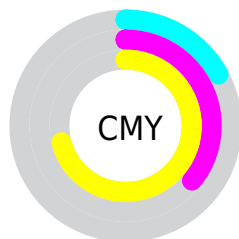
- Red (83%)
- Green (64%)
- Blue (29%)



- Red (60%)
- Yellow (83%)
- Blue (29%)



- Cyan (0%)
- Magenta (24%)
- Yellow (65%)
- Black (17%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3321, 0.4407, 0.4303 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 40.3321, 0.4407, 0.4303 by changing the saturation by 10% instead.


 40.3321, 0.4407,
0.4303


 40.3321, 0.4407,
0.4303

347.5213, 0.3781,
0.3835


 27.7976, 0.4547,
0.4396


 75.6690, 0.4189,
0.4148


 18.1731, 0.4712,
0.4499


 99.2401, 0.4104,
0.4085


 11.0744, 0.4903,
0.4602


 127.2589, 0.4031,
0.4030

 6.1169, 0.5219,
0.4781

 160.1097, 0.3967,
0.3981

 2.9163, 0.5313,
0.4687

 198.1769, 0.3912,
0.3938

 1.0882, 0.5477,
0.4523

241.8450, 0.3863,

 0.0000, 1.0000,

0.3900

0.0000

291.4984, 0.3820,
0.3866

0.0000, 0.0000,
0.0000

40.3321, 0.4407,
0.4303

40.3321, 0.4407,
0.4303

37.4707, 0.4615,
0.4389

43.4590, 0.4188,
0.4180

34.8558, 0.4800,
0.4428

46.8570, 0.3968,
0.4031

32.4741, 0.4953,
0.4415

50.5387, 0.3755,
0.3867

31.3758, 0.5021,
0.4395

54.5138, 0.3555,
0.3698

58.7913, 0.3371,
0.3531

■ 63.3798, 0.3205,
0.3369

■ 68.2875, 0.3056,
0.3216

■ 73.5221, 0.2923,
0.3073

■ 78.4422, 0.2860,
0.3039

Harmonies

Analogous

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



40.3321, 0.4652, 0.3762



40.3321, 0.4407, 0.4303



40.3321, 0.3829, 0.4670

Triad

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



40.3321, 0.4407, 0.4303



40.3321, 0.1963, 0.3176



40.3321, 0.2998, 0.2316

Complementary

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



40.3321, 0.4407, 0.4303



20.6290, 0.2036, 0.1916

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.



40.3321, 0.2338, 0.2137



40.3321, 0.4407, 0.4303



40.3321, 0.1804, 0.2533

Square

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



40.3321, 0.4407, 0.4303



40.3321, 0.2419, 0.3999



40.3321, 0.1932, 0.2195



40.3321, 0.3788, 0.2692

Rectangle

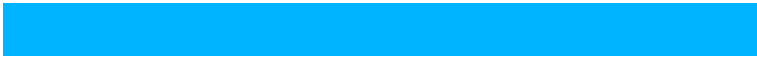
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.3321, 0.4407, 0.4303



40.3321, 0.3349, 0.4689



40.3321, 0.1932, 0.2195



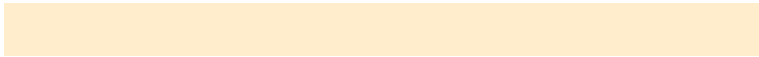
40.3321, 0.2754, 0.2232

Sweetspot

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



40.3341, 0.4407, 0.4303



85.9118, 0.3464, 0.3616



20.3683, 0.4431, 0.2712



17.9980, 0.3517, 0.3664



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.



40.3341, 0.4407, 0.4303



55.3877, 0.4687, 0.4410



58.9939, 0.3868, 0.4863



13.7280, 0.3275, 0.3438



19.5677, 0.5006, 0.4407



1.3349, 0.4830, 0.4547

Inverse Universe

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



20.6290, 0.2036, 0.1916



23.5444, 0.1845, 0.1584



11.9519, 0.1992, 0.1267



12.7379, 0.2982, 0.3137



6.3689, 0.1657, 0.1166



0.5389, 0.1755, 0.1517

Previews

White Background



This preview shows how the Yxy color 40.3321, 0.4407, 0.4303 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 40.3321, 0.4407, 0.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

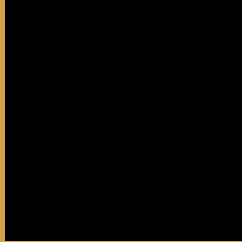
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3321, 0.4407, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 40.3321, 0.4407, 0.4303.



This preview shows how white text looks on a background with the Yxy color 40.3321, 0.4407, 0.4303.

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

40.3321, 0.4407, 0.4303

Protanopia

40.4805, 0.4087, 0.4485

Deuteranopia

40.1840, 0.4398, 0.4308



Tritanopia

40.1969, 0.3691, 0.3147

Trichromacy



Original Color

40.3321, 0.4407, 0.4303

Protanomaly

40.3974, 0.4197, 0.4423

Deuteranomaly

40.1840, 0.4398, 0.4308

Tritanomaly

40.0146, 0.3985, 0.3599

Monochromacy



Original Color

40.3321, 0.4407, 0.4303

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.6710, 0.3593, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3321, 0.4407, 0.4303 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, 162, 74)` looks like.

```
.text, #text, p{  
    color:rgb(212, 162, 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, 162, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 162, 74) }
```

Border

The CSS property to change the border of an element to Yxy 40.3321, 0.4407, 0.4303 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, 162, 74) }
```

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

```
.border{ border-color:rgb(212, 162, 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, 162, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 162, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 162, 74);  
box-shadow:4px 4px 4px 4px rgb(212, 162,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3321, 0.4407, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 162, 74) }
```

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

```
.background{ background-color: rgb(212,  
162, 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](#).

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