

Converting Colors

$Y_{xy}(40.6003, 0.4317, 0.4113)$

Have a look what the booklet for
Yxy(40.6003, 0.4317, 0.4113)
contains.

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Color

Yxy(40.6921, 0.4315, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	D7A15B
RGB	215, 161, 91
RGB Percent	84%, 63%, 36%
CMY	0.1569, 0.3686, 0.6430
CMYK	0.00, 0.25, 0.58, 0.16
HSL	34°, 61%, 60%
HSV	34°, 58%, 84%
XYZ	42.6595, 40.6921, 15.5116
YIQ	169.1660, 54.6540, -10.3220

Conversions

Conversions Part 2

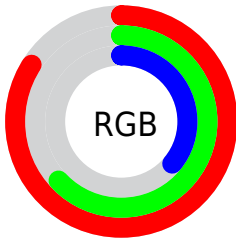
Format	Color
RYB	187, 215, 91
Decimal	14131547
CIELab	69.96, 12.31, 43.75
CIELCh	70, 45.449, 74.291
Yxy	40.6921, 0.4315, 0.4116
Android (android.graphics.Color)	4292321627 (0xFFD7A15B)
YUV	169.1660, -38.5358, 40.1964
Hunter-Lab	63.7904, 7.7378, 30.2359

Details

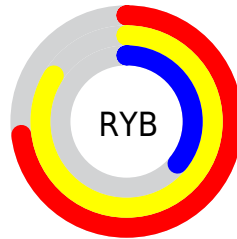
The Yxy color **40.6921, 0.4315, 0.4116** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.3951, 0.2185, 0.2240**, and the grayscale version is **39.9395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3549, 0.3945, 0.4035**, and **18.4871, 0.4617, 0.4290** is the 20% darker color. If you saturate the color by 10%, you get **37.2226, 0.4563, 0.4216**, and if you desaturate by 10%, it is **44.5171, 0.4069, 0.3988**.

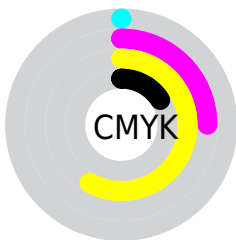
Distribution



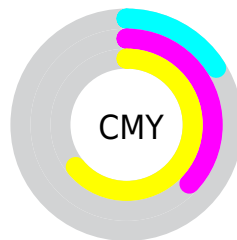
- Red (84%)
- Green (63%)
- Blue (36%)



- Red (73%)
- Yellow (84%)
- Blue (36%)



- Cyan (0%)
- Magenta (25%)
- Yellow (58%)
- Black (16%)




- Cyan (16%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6921, 0.4315, 0.4116 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 40.6921, 0.4315, 0.4116 by changing the saturation by 10% instead.


 40.6921, 0.4315,
0.4116

 40.6921, 0.4315,
0.4116


349.0321, 0.3722,
0.3731


 28.0786, 0.4455,
0.4196


 76.2163, 0.4104,
0.3987


 18.3849, 0.4626,
0.4286


 99.8957, 0.4023,
0.3935

 11.2267, 0.4837,
0.4384


 128.0326, 0.3954,
0.3890

 6.2195, 0.5112,
0.4489

 161.0113, 0.3895,
0.3850

 2.9790, 0.5445,
0.4555

199.2162, 0.3843,
0.3815

 1.1208, 0.5652,
0.4348

243.0317, 0.3798,

 0.0000, 1.0000,

0.3784

0.0000

292.8422, 0.3758,
0.3756

■ 0.0000, 0.0000,
0.0000

■ 40.6921, 0.4315,
0.4116

■ 40.6921, 0.4315,
0.4116

■ 37.2226, 0.4563,
0.4216

■ 44.5171, 0.4069,
0.3988

■ 34.0879, 0.4801,
0.4276

■ 48.7050, 0.3835,
0.3844

■ 31.2736, 0.5014,
0.4285

■ 53.2703, 0.3619,
0.3693

■ 28.7587, 0.5192,
0.4242

■ 58.2247, 0.3423,
0.3542

■ 28.2063, 0.5232,
0.4228

■ 63.5792, 0.3248,
0.3396

■ 69.3443, 0.3093,
0.3258

■ 75.5300, 0.2956,
0.3130

■ 81.6173, 0.2880,
0.3091

■ 87.1505, 0.2884,
0.3189

Harmonies

Analogous

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



40.6921, 0.4446, 0.3634



40.6921, 0.4315, 0.4116



40.6921, 0.3861, 0.4455

Triad

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



40.6921, 0.4315, 0.4116



40.6921, 0.2163, 0.3327



40.6921, 0.2902, 0.2386

Complementary

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



40.6921, 0.4315, 0.4116



27.3951, 0.2185, 0.2240

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.



40.6921, 0.2354, 0.2264



40.6921, 0.4315, 0.4116



40.6921, 0.1966, 0.2725

Square

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



40.6921, 0.4315, 0.4116



40.6921, 0.2617, 0.4014



40.6921, 0.2033, 0.2367



40.6921, 0.3579, 0.2694

Rectangle

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



40.6921, 0.4315, 0.4116



40.6921, 0.3454, 0.4505



40.6921, 0.2033, 0.2367



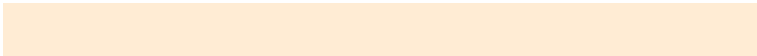
40.6921, 0.2698, 0.2323

Sweetspot

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



40.6941, 0.4315, 0.4116



86.0537, 0.3414, 0.3535



24.0372, 0.4056, 0.2633



18.0912, 0.3452, 0.3565



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.



40.6941, 0.4315, 0.4116



53.8072, 0.4612, 0.4232



62.8852, 0.3895, 0.4672



13.5721, 0.3277, 0.3422



17.0848, 0.5212, 0.4244



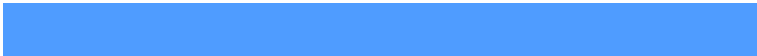
1.1938, 0.4989, 0.4421

Inverse Universe

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



27.3951, 0.2185, 0.2240



32.5594, 0.2009, 0.1975



14.9495, 0.2056, 0.1466



12.8898, 0.2982, 0.3155



7.8889, 0.1717, 0.1380



0.6388, 0.1811, 0.1718

Previews

White Background



This preview shows how the Yxy color 40.6921, 0.4315, 0.4116 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 40.6921, 0.4315, 0.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

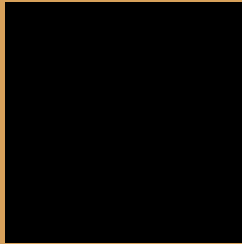
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6921, 0.4315, 0.4116

Background



This preview shows how black text looks on a background with the Yxy color 40.6921, 0.4315, 0.4116.



This preview shows how white text looks on a background with the Yxy color 40.6921, 0.4315, 0.4116.

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

40.6921, 0.4315, 0.4116

Protanopia

40.6434, 0.3945, 0.4291

Deuteranopia

40.6514, 0.4251, 0.4158



Tritanopia

40.5090, 0.3711, 0.3148

Trichromacy



Original Color

40.6921, 0.4315, 0.4116

Protanomaly

40.4514, 0.4079, 0.4217

Deuteranomaly

40.5930, 0.4278, 0.4139

Tritanomaly

40.3089, 0.3959, 0.3511

Monochromacy



Original Color

40.6921, 0.4315, 0.4116

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6346, 0.3545, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6921, 0.4315, 0.4116 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(215, 161, 91)` looks like.

```
.text, #text, p{  
    color:rgb(215, 161, 91)  
}
```

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(215, 161, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 161, 91) }
```

Border

The CSS property to change the border of an element to Yxy 40.6921, 0.4315, 0.4116 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(215, 161, 91) }
```

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

```
.border{ border-color:rgb(215, 161, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 161, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 161, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 161, 91);  
box-shadow:4px 4px 4px 4px rgb(215, 161,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6921, 0.4315, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 161, 91) }
```

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

```
.background{ background-color: rgb(215,  
161, 91) }
```

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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