

Converting Colors

$Y_{xy}(37.7825, 0.4341, 0.3860)$

Have a look what the booklet for
Yxy(37.7825, 0.4341, 0.3860)
contains.

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Color

Yxy(37.8321, 0.4339, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	DB9666
RGB	219, 150, 102
RGB Percent	86%, 59%, 40%
CMY	0.1412, 0.4117, 0.5999
CMYK	0.00, 0.31, 0.53, 0.14
HSL	25°, 62%, 63%
HSV	25°, 53%, 86%
XYZ	42.5158, 37.8321, 17.6373
YIQ	165.1590, 56.5320, -0.3000

Conversions

Conversions Part 2

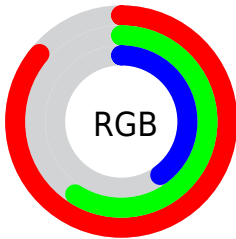
Format	Color
R_{YB}	219, 183, 102
Decimal	14390886
CIE Lab	67.90, 20.77, 35.63
CIE LCh	68, 41.237, 59.761
Yxy	37.8321, 0.4339, 0.3861
Android (android.graphics.Color)	4292580966 (0xFFDB9666)
YUV	165.1590, -31.1374, 47.2186
Hunter-Lab	61.5078, 15.7452, 26.0541

Details

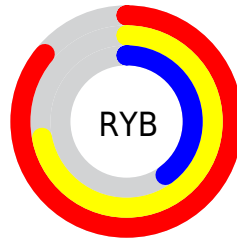
The Yxy color **37.8321, 0.4339, 0.3861** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.0645, 0.2307, 0.2604**, and the grayscale version is **37.8409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7788, 0.3917, 0.3810**, and **16.7671, 0.4690, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **33.5580, 0.4651, 0.3940**, and if you desaturate by 10%, it is **42.6790, 0.4048, 0.3761**.

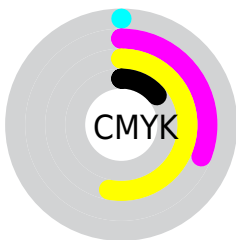
Distribution



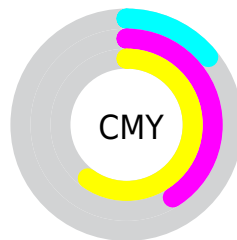
- Red (86%)
- Green (59%)
- Blue (40%)



- Red (86%)
- Yellow (72%)
- Blue (40%)



- Cyan (0%)
- Magenta (31%)
- Yellow (53%)
- Black (14%)





- Cyan (14%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8321, 0.4339, 0.3861 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 37.8321, 0.4339, 0.3861 by changing the saturation by 10% instead.


 37.8321, 0.4339,
0.3861


 37.8321, 0.4339,
0.3861


336.8992, 0.3716,
0.3601


 25.8524, 0.4495,
0.3913


 71.8507, 0.4111,
0.3775


 16.7133, 0.4692,
0.3969


 94.6584, 0.4026,
0.3740

 10.0303, 0.4947,
0.4026


 121.8443, 0.3954,
0.3710

 5.4190, 0.5281,
0.4065

 153.7926, 0.3892,
0.3683

 2.4952, 0.5861,
0.4139

190.8879, 0.3839,
0.3659

 0.8742, 0.6225,
0.3775

233.5145, 0.3792,

 0.0000, 1.0000,

0.3638

0.0000

282.0568, 0.3752,
0.3619

0.0000, 0.0000,
0.0000

37.8321, 0.4339,
0.3861

37.8321, 0.4339,
0.3861

33.5580, 0.4651,
0.3940

42.6790, 0.4048,
0.3761

29.8271, 0.4970,
0.3984

48.1152, 0.3785,
0.3651

26.6151, 0.5274,
0.3982

54.1635, 0.3554,
0.3539

23.8929, 0.5537,
0.3926

60.8436, 0.3353,
0.3429

22.3445, 0.5686,
0.3867

68.1744, 0.3180,
0.3324

■ 76.1737, 0.3032,
0.3227

■ 84.8386, 0.2906,
0.3140

■ 92.7318, 0.2911,
0.3272

■ 93.7979, 0.2911,
0.3289

Harmonies

Analogous

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



37.8321, 0.4276, 0.3389



37.8321, 0.4339, 0.3861



37.8321, 0.4051, 0.4256

Triad

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



37.8321, 0.4339, 0.3861



37.8321, 0.2407, 0.3642



37.8321, 0.2647, 0.2361

Complementary

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



37.8321, 0.4339, 0.3861



37.0645, 0.2307, 0.2604

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.



37.8321, 0.2228, 0.2348



37.8321, 0.4339, 0.3861



37.8321, 0.2097, 0.3017

Square

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



37.8321, 0.4339, 0.3861



37.8321, 0.2925, 0.4201



37.8321, 0.2039, 0.2562



37.8321, 0.3240, 0.2572

Rectangle

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



37.8321, 0.4339, 0.3861



37.8321, 0.3719, 0.4403



37.8321, 0.2039, 0.2562



37.8321, 0.2484, 0.2333

Sweetspot

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



37.8340, 0.4339, 0.3861



83.2434, 0.3405, 0.3458



27.5513, 0.3724, 0.2477



17.3934, 0.3446, 0.3481



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.



37.8340, 0.4339, 0.3861



46.7428, 0.4688, 0.3947



60.7837, 0.3963, 0.4462



13.9245, 0.3281, 0.3386



13.4548, 0.5660, 0.3888



1.0386, 0.5366, 0.4121

Inverse Universe

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



37.0645, 0.2307, 0.2604



45.4688, 0.2161, 0.2429



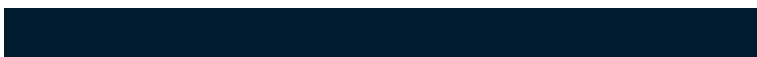
19.9111, 0.2132, 0.1751



13.8871, 0.2982, 0.3192



12.5857, 0.1859, 0.1894



0.9834, 0.1929, 0.2145

Previews

White Background



This preview shows how the Yxy color 37.8321, 0.4339, 0.3861 looks on a white background.

Color Contrast Check

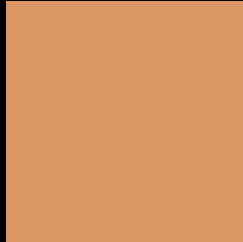
Large Text (above 18pt) WCAG AA × Fail

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 37.8321, 0.4339, 0.3861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

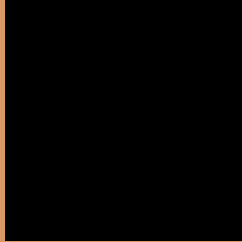
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8321, 0.4339, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 37.8321, 0.4339, 0.3861.



This preview shows how white text looks on a background with the Yxy color 37.8321, 0.4339, 0.3861.

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

37.8321, 0.4339, 0.3861

Protanopia

38.0584, 0.3785, 0.4097

Deuteranopia

37.7913, 0.4120, 0.4032



Tritanopia

37.6660, 0.3867, 0.3161

Trichromacy



Original Color

37.8321, 0.4339, 0.3861

Protanomaly

37.6516, 0.3981, 0.4005

Deuteranomaly

37.7922, 0.4203, 0.3963

Tritanomaly

37.8366, 0.4053, 0.3425

Monochromacy



Original Color

37.8321, 0.4339, 0.3861

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.4089, 0.3544, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8321, 0.4339, 0.3861 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(219, 150, 102)` looks like.

```
.text, #text, p{  
    color:rgb(219, 150, 102)  
}
```

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(219, 150, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 150, 102) }
```

Border

The CSS property to change the border of an element to Yxy 37.8321, 0.4339, 0.3861 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(219, 150, 102) }
```

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

```
.border{ border-color:rgb(219, 150, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 150, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 150, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 150, 102);  
box-shadow:4px 4px 4px 4px rgb(219, 150,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8321, 0.4339, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 150, 102) }
```

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

```
.background{ background-color: rgb(219,  
150, 102) }
```

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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