

Converting Colors

$Y_{xy}(37.2935, 0.4356, 0.3821)$

Have a look what the booklet for
Yxy(37.2935, 0.4356, 0.3821)
contains.

Yxy(37.3747, 0.4354, 0.3824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3747, 0.4354, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	DC9467
RGB	220, 148, 103
RGB Percent	86%, 58%, 40%
CMY	0.1372, 0.4196, 0.5960
CMYK	0.00, 0.33, 0.53, 0.14
HSL	23°, 63%, 63%
HSV	23°, 53%, 86%
XYZ	42.5548, 37.3747, 17.8077
YIQ	164.3980, 57.3570, 1.2690

Conversions

Conversions Part 2

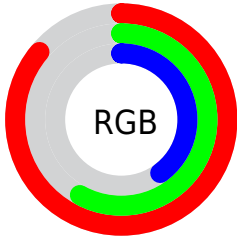
Format	Color
RYB	220, 176, 103
Decimal	14455911
CIELab	67.56, 22.35, 34.69
CIELCh	68, 41.265, 57.211
Yxy	37.3747, 0.4354, 0.3824
Android (android.graphics.Color)	4292645991 (0xFFDC9467)
YUV	164.3980, -30.2692, 48.7630
Hunter-Lab	61.1349, 17.2644, 25.5241

Details

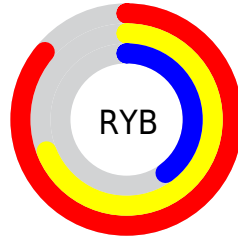
The Yxy color **37.3747, 0.4354, 0.3824** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.7195, 0.2319, 0.2653**, and the grayscale version is **37.4523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8676, 0.3918, 0.3780**, and **16.5066, 0.4716, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **32.9888, 0.4677, 0.3897**, and if you desaturate by 10%, it is **42.3774, 0.4055, 0.3731**.

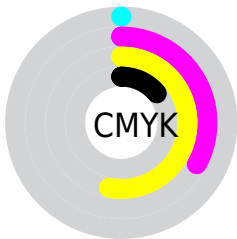
Distribution



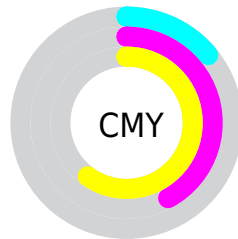
- Red (86%)
- Green (58%)
- Blue (40%)



- Red (86%)
- Yellow (69%)
- Blue (40%)



- Cyan (0%)
- Magenta (33%)
- Yellow (53%)
- Black (14%)




- Cyan (14%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3747, 0.4354, 0.3824 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 37.3747, 0.4354, 0.3824 by changing the saturation by 10% instead.


 37.3747, 0.4354,
0.3824


 37.3747, 0.4354,
0.3824


334.9299, 0.3720,
0.3583

 25.4977, 0.4513,
0.3871


 71.1487, 0.4122,
0.3745

 16.4483, 0.4716,
0.3921


 93.8145, 0.4035,
0.3713

 9.8419, 0.4978,
0.3970


 120.8454, 0.3962,
0.3685

 5.2943, 0.5325,
0.3998

 152.6258, 0.3899,
0.3659

 2.4209, 0.5939,
0.4061

189.5401, 0.3845,
0.3637

 0.8366, 0.6334,
0.3666

231.9726, 0.3798,

 0.0000, 1.0000,

0.3617

0.0000

280.3077, 0.3757,
0.3600

0.0000, 0.0000,
0.0000

37.3747, 0.4354,
0.3824

37.3747, 0.4354,
0.3824

32.9888, 0.4677,
0.3897

42.3774, 0.4055,
0.3731

29.1879, 0.5009,
0.3937

48.0160, 0.3787,
0.3627

25.9449, 0.5325,
0.3931

54.3153, 0.3552,
0.3521

23.2278, 0.5600,
0.3872

61.2972, 0.3350,
0.3418

21.6500, 0.5759,
0.3809

68.9823, 0.3177,
0.3320

■ 77.3904, 0.3029,
0.3228

■ 86.4097, 0.2913,
0.3165

■ 93.9561, 0.2917,
0.3289

Harmonies

Analogous

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



37.3747, 0.4258, 0.3349



37.3747, 0.4354, 0.3824



37.3747, 0.4091, 0.4233

Triad

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



37.3747, 0.4354, 0.3824



37.3747, 0.2441, 0.3698



37.3747, 0.2601, 0.2348

Complementary

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



37.3747, 0.4354, 0.3824



38.7195, 0.2319, 0.2653

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.



37.3747, 0.2199, 0.2352



37.3747, 0.4354, 0.3824



37.3747, 0.2110, 0.3064

Square

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



37.3747, 0.4354, 0.3824



37.3747, 0.2975, 0.4241



37.3747, 0.2030, 0.2588



37.3747, 0.3186, 0.2544

Rectangle

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



37.3747, 0.4354, 0.3824



37.3747, 0.3768, 0.4397



37.3747, 0.2030, 0.2588



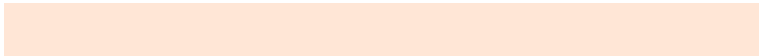
37.3747, 0.2443, 0.2326

Sweetspot

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



37.3766, 0.4354, 0.3824



82.6571, 0.3407, 0.3448



28.0218, 0.3696, 0.2459



17.2544, 0.3448, 0.3469



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.



37.3766, 0.4354, 0.3824



45.3242, 0.4722, 0.3905



60.5095, 0.3971, 0.4440



13.8683, 0.3282, 0.3380



12.9060, 0.5732, 0.3831



0.9999, 0.5428, 0.4072

Inverse Universe

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



38.7195, 0.2319, 0.2653



47.2918, 0.2174, 0.2486



20.6973, 0.2142, 0.1785



13.9448, 0.2982, 0.3198



13.4902, 0.1885, 0.1985



1.0389, 0.1950, 0.2221

Previews

White Background



This preview shows how the Yxy color 37.3747, 0.4354, 0.3824 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 37.3747, 0.4354, 0.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

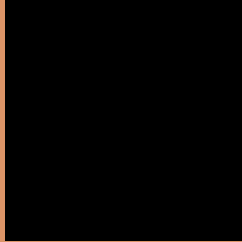
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3747, 0.4354, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 37.3747, 0.4354, 0.3824.



This preview shows how white text looks on a background with the Yxy color 37.3747, 0.4354, 0.3824.

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

37.3747, 0.4354, 0.3824

Protanopia

37.6198, 0.3762, 0.4060

Deuteranopia

37.3329, 0.4108, 0.4012



Tritanopia

37.4603, 0.3904, 0.3173

Trichromacy



Original Color

37.3747, 0.4354, 0.3824

Protanomaly

37.3271, 0.3978, 0.3980

Deuteranomaly

37.3359, 0.4190, 0.3942

Tritanomaly

37.3557, 0.4084, 0.3412

Monochromacy



Original Color

37.3747, 0.4354, 0.3824

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.5971, 0.3540, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3747, 0.4354, 0.3824 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(220, 148, 103)` looks like.

```
.text, #text, p{  
    color:rgb(220, 148, 103)  
}
```

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(220, 148, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 148, 103) }
```

Border

The CSS property to change the border of an element to Yxy 37.3747, 0.4354, 0.3824 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(220, 148, 103) }
```

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

```
.border{ border-color:rgb(220, 148, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 148, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 148, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 148, 103);  
box-shadow:4px 4px 4px 4px rgb(220, 148,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3747, 0.4354, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 148, 103) }
```

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

```
.background{ background-color: rgb(220,  
148, 103) }
```

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