

Converting Colors

$Y_{xy}(37.2634, 0.4476, 0.3925)$

Have a look what the booklet for
Yxy(37.2634, 0.4476, 0.3925)
contains.

Yxy(37.1697, 0.4486, 0.3924)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.1697, 0.4486, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	DE935C
RGB	222, 147, 92
RGB Percent	87%, 58%, 36%
CMY	0.1294, 0.4235, 0.6392
CMYK	0.00, 0.34, 0.59, 0.13
HSL	25°, 66%, 62%
HSV	25°, 59%, 87%
XYZ	42.4932, 37.1697, 15.0611
YIQ	163.1550, 62.3550, -1.2050

Conversions

Conversions Part 2

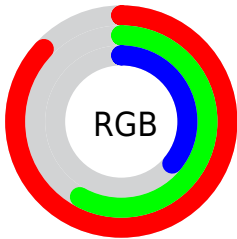
Format	Color
RYB	222, 187, 92
Decimal	14586716
CIELab	67.40, 22.82, 40.37
CIELCh	67, 46.371, 60.517
Yxy	37.1697, 0.4486, 0.3924
Android (android.graphics.Color)	4292776796 (0xFFDE935C)
YUV	163.1550, -35.0794, 51.6071
Hunter-Lab	60.9670, 17.7200, 28.0300

Details

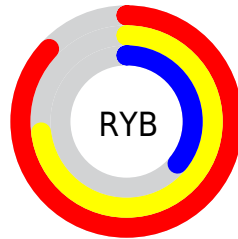
The Yxy color **37.1697, 0.4486, 0.3924** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **35.1960, 0.2231, 0.2498**, and the grayscale version is **36.8511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0165, 0.4015, 0.3891**, and **16.3341, 0.4866, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **33.0737, 0.4798, 0.3989**, and if you desaturate by 10%, it is **41.8268, 0.4187, 0.3831**.

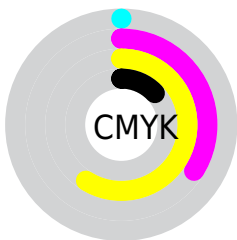
Distribution



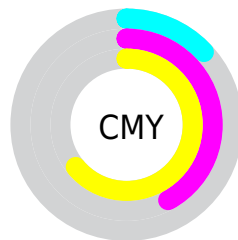
- Red (87%)
- Green (58%)
- Blue (36%)



- Red (87%)
- Yellow (73%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (59%)
- Black (13%)





- Cyan (13%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1697, 0.4486, 0.3924 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 37.1697, 0.4486, 0.3924 by changing the saturation by 10% instead.


 37.1697, 0.4486,
0.3924


 37.1697, 0.4486,
0.3924

334.0446, 0.3790,
0.3643


 25.3389, 0.4657,
0.3976


 70.8337, 0.4233,
0.3834


 16.3297, 0.4871,
0.4029


 93.4357, 0.4138,
0.3796

 9.7578, 0.5141,
0.4073


 120.3969, 0.4057,
0.3763

 5.2387, 0.5515,
0.4108

 152.1017, 0.3988,
0.3733

 2.3880, 0.5964,
0.4036

188.9345, 0.3928,
0.3707

 0.8197, 0.6371,
0.3629

231.2796, 0.3876,

 0.0000, 1.0000,

0.3683

0.0000

279.5216, 0.3830,
0.3662

0.0000, 0.0000,
0.0000

37.1697, 0.4486,
0.3924

37.1697, 0.4486,
0.3924

33.0737, 0.4798,
0.3989

41.8268, 0.4187,
0.3831

29.5086, 0.5106,
0.4014

47.0624, 0.3912,
0.3722

26.4489, 0.5386,
0.3987

52.8995, 0.3667,
0.3606

23.8602, 0.5619,
0.3908

59.3584, 0.3452,
0.3491

23.5212, 0.5651,
0.3895

66.4580, 0.3266,
0.3380

■ 74.2165, 0.3106,
0.3275

■ 82.6514, 0.2968,
0.3178

■ 90.8016, 0.2927,
0.3234

■ 94.2719, 0.2929,
0.3289

Harmonies

Analogous

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



37.1697, 0.4434, 0.3401



37.1697, 0.4486, 0.3924



37.1697, 0.4144, 0.4375

Triad

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



37.1697, 0.4486, 0.3924



37.1697, 0.2304, 0.3668



37.1697, 0.2600, 0.2262

Complementary

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



37.1697, 0.4486, 0.3924



35.1960, 0.2231, 0.2498

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.



37.1697, 0.2133, 0.2236



37.1697, 0.4486, 0.3924



37.1697, 0.1973, 0.2955

Square

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



37.1697, 0.4486, 0.3924



37.1697, 0.2874, 0.4323



37.1697, 0.1919, 0.2458



37.1697, 0.3268, 0.2499

Rectangle

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



37.1697, 0.4486, 0.3924



37.1697, 0.3765, 0.4551



37.1697, 0.1919, 0.2458



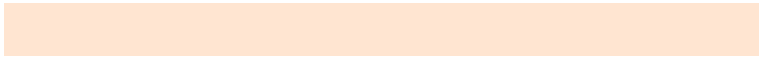
37.1697, 0.2418, 0.2228

Sweetspot

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



37.1716, 0.4486, 0.3924



81.6391, 0.3444, 0.3486



26.0086, 0.3838, 0.2434



16.8977, 0.3503, 0.3520



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.



37.1716, 0.4486, 0.3924



44.2464, 0.4860, 0.3998



62.9828, 0.4022, 0.4572



14.6487, 0.3281, 0.3390



14.1788, 0.5625, 0.3915



1.1573, 0.5353, 0.4132

Inverse Universe

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



35.1960, 0.2231, 0.2498



41.2166, 0.2082, 0.2301



17.2191, 0.2023, 0.1552



14.5502, 0.2981, 0.3188



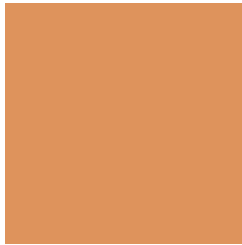
12.5423, 0.1847, 0.1848



1.0456, 0.1914, 0.2091

Previews

White Background



This preview shows how the Yxy color 37.1697, 0.4486, 0.3924 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 37.1697, 0.4486, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

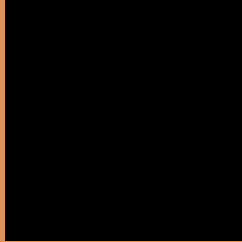
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1697, 0.4486, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 37.1697, 0.4486, 0.3924.



This preview shows how white text looks on a background with the Yxy color 37.1697, 0.4486, 0.3924.

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

37.1697, 0.4486, 0.3924

Protanopia

37.4954, 0.3876, 0.4215

Deuteranopia

37.2696, 0.4215, 0.4135



Tritanopia

37.1269, 0.3954, 0.3174

Trichromacy



Original Color

37.1697, 0.4486, 0.3924

Protanomaly

36.9003, 0.4094, 0.4100

Deuteranomaly

37.0931, 0.4318, 0.4048

Tritanomaly

37.2375, 0.4164, 0.3459

Monochromacy



Original Color

37.1697, 0.4486, 0.3924

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1104, 0.3592, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1697, 0.4486, 0.3924 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(222, 147, 92)` looks like.

```
.text, #text, p{  
    color:rgb(222, 147, 92)  
}
```

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(222, 147, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 147, 92) }
```

Border

The CSS property to change the border of an element to Yxy 37.1697, 0.4486, 0.3924 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(222, 147, 92) }
```

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

```
.border{ border-color:rgb(222, 147, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 147, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 147, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 147, 92);  
box-shadow:4px 4px 4px 4px rgb(222, 147,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1697, 0.4486, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 147, 92) }
```

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

```
.background{ background-color: rgb(222,  
147, 92) }
```

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