

Converting Colors

$Y_{xy}(37.5794, 0.4514, 0.3512)$

Have a look what the booklet for
Yxy(37.5794, 0.4514, 0.3512)
contains.

Yxy(37.5700, 0.4506, 0.3510)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5700, 0.4506, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	F18874
RGB	241, 136, 116
RGB Percent	95%, 53%, 45%
CMY	0.0549, 0.4666, 0.5450
CMYK	0.00, 0.44, 0.52, 0.05
HSL	10°, 82%, 70%
HSV	10°, 52%, 95%
XYZ	48.2309, 37.5700, 21.2361
YIQ	165.1150, 69.0000, 16.0400

Conversions

Conversions Part 2

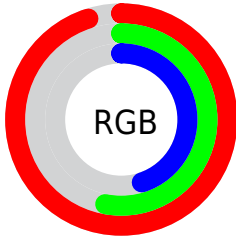
Format	Color
R_{YB}	241, 140, 116
Decimal	15829108
CIE _{Lab}	67.70, 38.02, 28.33
CIE _{LCh}	68, 47.416, 36.689
Yxy	37.5700, 0.4506, 0.3510
Android (android.graphics.Color)	4294019188 (0xFFFF18874)
YUV	165.1150, -24.2137, 66.5511
Hunter-Lab	61.2944, 33.1917, 22.3643

Details

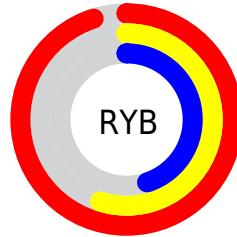
The Yxy color **37.5700, 0.4506, 0.3510** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **61.7744, 0.2407, 0.3039**, and the grayscale version is **37.7804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3488, 0.3855, 0.3533**, and **16.5818, 0.4920, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **31.9078, 0.4922, 0.3535**, and if you desaturate by 10%, it is **44.4583, 0.4135, 0.3472**.

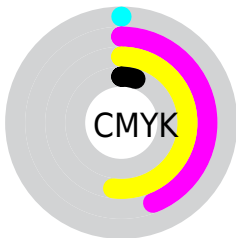
Distribution



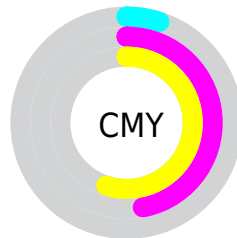
- Red (95%)
- Green (53%)
- Blue (45%)



- Red (95%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (44%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5700, 0.4506, 0.3510 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 37.5700, 0.4506, 0.3510 by changing the saturation by 10% instead.


 37.5700, 0.4506,
0.3510


 37.5700, 0.4506,
0.3510


335.7718, 0.3788,
0.3435

 25.6491, 0.4690,
0.3515


 71.4486, 0.4241,
0.3493

 16.5613, 0.4926,
0.3512


 94.1751, 0.4142,
0.3483

 9.9222, 0.5237,
0.3492


 121.2722, 0.4060,
0.3474

 5.3474, 0.5661,
0.3431

153.1244, 0.3989,
0.3465

 2.4525, 0.6425,
0.3365

190.1161, 0.3929,
0.3457

 0.8527, 0.7107,
0.2893

232.6316, 0.3876,

 0.0000, 1.0000,

0.3449

0.0000

281.0554, 0.3829,
0.3442

0.0000, 0.0000,
0.0000

37.5700, 0.4506,
0.3510

37.5700, 0.4506,
0.3510

31.9078, 0.4922,
0.3535

44.4583, 0.4135,
0.3472

27.3937, 0.5356,
0.3540

52.6332, 0.3818,
0.3428

23.9495, 0.5763,
0.3516

62.1582, 0.3553,
0.3383

21.4846, 0.6086,
0.3463

73.0906, 0.3335,
0.3339

20.1218, 0.6264,
0.3408

85.4847, 0.3157,
0.3297

 97.4395, 0.3041,
0.3290

Harmonies

Analogous

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



37.5700, 0.4110, 0.2992



37.5700, 0.4506, 0.3510



37.5700, 0.4467, 0.4037

Triad

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



37.5700, 0.4506, 0.3510



37.5700, 0.2734, 0.4232



37.5700, 0.2193, 0.2205

Complementary

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



37.5700, 0.4506, 0.3510



61.7744, 0.2407, 0.3039

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.



37.5700, 0.1923, 0.2374



37.5700, 0.4506, 0.3510



37.5700, 0.2197, 0.3517

Square

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



37.5700, 0.4506, 0.3510



37.5700, 0.3413, 0.4590



37.5700, 0.1920, 0.2821



37.5700, 0.2717, 0.2279

Rectangle

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



37.5700, 0.4506, 0.3510



37.5700, 0.4222, 0.4343



37.5700, 0.1920, 0.2821



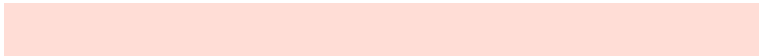
37.5700, 0.2074, 0.2233

Sweetspot

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



37.5719, 0.4506, 0.3510



77.6948, 0.3421, 0.3357



36.4802, 0.3366, 0.2203



16.0823, 0.3466, 0.3366



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.



37.5719, 0.4506, 0.3510



36.0888, 0.4936, 0.3536



60.0066, 0.4116, 0.4155



16.1672, 0.3289, 0.3328



11.0384, 0.6243, 0.3425



1.0385, 0.6017, 0.3604

Inverse Universe

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



61.7744, 0.2407, 0.3039



66.1842, 0.2305, 0.2981



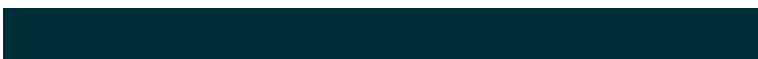
35.1212, 0.2242, 0.2211



17.4730, 0.2981, 0.3251



26.6287, 0.2104, 0.2773



2.3294, 0.2125, 0.2848

Previews

White Background



This preview shows how the Yxy color 37.5700, 0.4506, 0.3510 looks on a white background.

Color Contrast Check

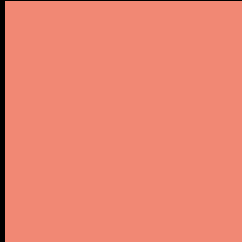
Large Text (above 18pt) WCAG AA × Fail

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 37.5700, 0.4506, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

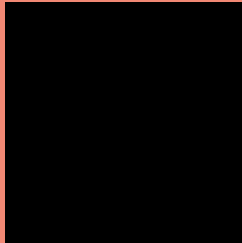
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5700, 0.4506, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 37.5700, 0.4506, 0.3510.



This preview shows how white text looks on a background with the Yxy color 37.5700, 0.4506, 0.3510.

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

37.5700, 0.4506, 0.3510

Protanopia

37.7254, 0.3559, 0.3802

Deuteranopia

37.6293, 0.3978, 0.3894



Tritanopia

37.5102, 0.4253, 0.3184

Trichromacy



Original Color

37.5700, 0.4506, 0.3510

Protanomaly

36.8458, 0.3902, 0.3685

Deuteranomaly

37.3011, 0.4181, 0.3747

Tritanomaly

37.3458, 0.4343, 0.3294

Monochromacy



Original Color

37.5700, 0.4506, 0.3510

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.5552, 0.3594, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5700, 0.4506, 0.3510 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(241, 136, 116)` looks like.

```
.text, #text, p{  
    color:rgb(241, 136, 116)  
}
```

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(241, 136, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 136, 116) }
```

Border

The CSS property to change the border of an element to Yxy 37.5700, 0.4506, 0.3510 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(241, 136, 116) }
```

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

```
.border{ border-color:rgb(241, 136, 116) }
```

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

Here you see how a box with a 4 pixel rgb(241, 136, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 136, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 136, 116);  
box-shadow:4px 4px 4px 4px rgb(241, 136,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5700, 0.4506, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 136, 116) }
```

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

```
.background{ background-color: rgb(241,  
136, 116) }
```

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