

Converting Colors

$Y_{xy}(37.9042, 0.4697, 0.3574)$

Have a look what the booklet for
Yxy(37.9042, 0.4697, 0.3574)
contains.

Yxy(37.7721, 0.4698, 0.3571)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7721, 0.4698, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	F8856A
RGB	248, 133, 106
RGB Percent	97%, 52%, 42%
CMY	0.0276, 0.4783, 0.5843
CMYK	0.00, 0.46, 0.57, 0.03
HSL	11°, 91%, 69%
HSV	11°, 57%, 97%
XYZ	49.6929, 37.7721, 18.3096
YIQ	164.3070, 77.2070, 15.9830

Conversions

Conversions Part 2

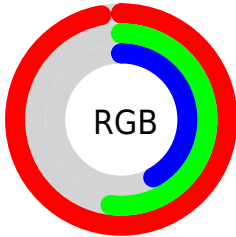
Format	Color
R _Y B	248, 139, 106
Decimal	16287082
CIE Lab	67.85, 41.37, 34.18
CIE LCh	68, 53.662, 39.567
Yxy	37.7721, 0.4698, 0.3571
Android (android.graphics.Color)	4294477162 (0xFFFF8856A)
YUV	164.3070, -28.7454, 73.3988
Hunter-Lab	61.4590, 36.7735, 25.3579

Details

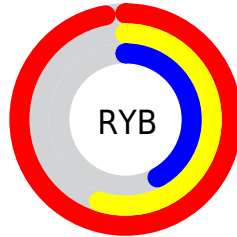
The Yxy color **37.7721, 0.4698, 0.3571** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.5279, 0.2339, 0.2953**, and the grayscale version is **37.3934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6951, 0.3951, 0.3607**, and **16.7551, 0.5158, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **32.3471, 0.5117, 0.3591**, and if you desaturate by 10%, it is **44.4010, 0.4311, 0.3532**.

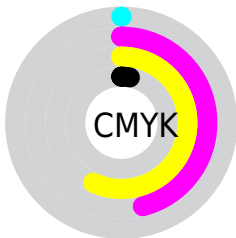
Distribution



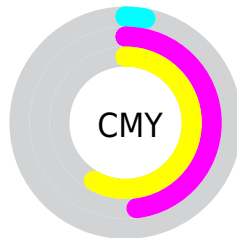
- Red (97%)
- Green (52%)
- Blue (42%)



- Red (97%)
- Yellow (55%)
- Blue (42%)



- Cyan (0%)
- Magenta (46%)
- Yellow (57%)
- Black (3%)



- Cyan (3%)
- Magenta (48%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7721, 0.4698, 0.3571 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 37.7721, 0.4698, 0.3571 by changing the saturation by 10% instead.

 37.7721, 0.4698,
0.3571


 37.7721, 0.4698,
0.3571


336.6413, 0.3886,
0.3480

 25.8059, 0.4902,
0.3575


 71.7587, 0.4400,
0.3551


 16.6785, 0.5160,
0.3567


 94.5478, 0.4289,
0.3540

 10.0055, 0.5495,
0.3535


 121.7134, 0.4195,
0.3528

 5.4026, 0.5934,
0.3448

 153.6398, 0.4115,
0.3517

 2.4854, 0.6677,
0.3323

190.7114, 0.4046,
0.3507

 0.8693, 0.7239,
0.2761

233.3125, 0.3986,

 0.0000, 1.0000,

0.3497

0.0000

281.8277, 0.3933,
0.3488

0.0000, 0.0000,
0.0000

37.7721, 0.4698,
0.3571

37.7721, 0.4698,
0.3571

32.3471, 0.5117,
0.3591

44.4010, 0.4311,
0.3532

28.0466, 0.5534,
0.3582

52.2948, 0.3972,
0.3482

24.7911, 0.5898,
0.3538

61.5175, 0.3685,
0.3429

22.4862, 0.6162,
0.3464

72.1267, 0.3446,
0.3376

21.9993, 0.6219,
0.3444

84.1770, 0.3248,
0.3325

97.7197, 0.3086,
0.3277

98.6909, 0.3084,
0.3290

Harmonies

Analogous

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



37.7721, 0.4298, 0.3002



37.7721, 0.4698, 0.3571



37.7721, 0.4593, 0.4153

Triad

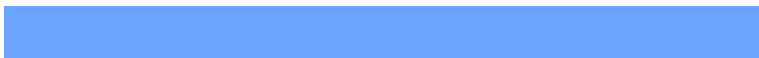
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.7721, 0.4698, 0.3571



37.7721, 0.2609, 0.4302



37.7721, 0.2131, 0.2084

Complementary

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



37.7721, 0.4698, 0.3571



61.5279, 0.2339, 0.2953

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.



37.7721, 0.1810, 0.2234



37.7721, 0.4698, 0.3571



37.7721, 0.2043, 0.3455

Square

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



37.7721, 0.4698, 0.3571



37.7721, 0.3357, 0.4758



37.7721, 0.1775, 0.2690



37.7721, 0.2732, 0.2192

Rectangle

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



37.7721, 0.4698, 0.3571



37.7721, 0.4287, 0.4496



37.7721, 0.1775, 0.2690



37.7721, 0.1993, 0.2103

Sweetspot

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



37.7741, 0.4698, 0.3571



77.1298, 0.3441, 0.3374



35.5318, 0.3446, 0.2147



15.9946, 0.3485, 0.3385



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.



37.7741, 0.4698, 0.3571



33.5322, 0.5196, 0.3592



63.7109, 0.4205, 0.4276



17.7596, 0.3289, 0.3336



12.0370, 0.6196, 0.3462



1.2529, 0.5983, 0.3632

Inverse Universe

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



61.5279, 0.2339, 0.2953



60.8692, 0.2230, 0.2871



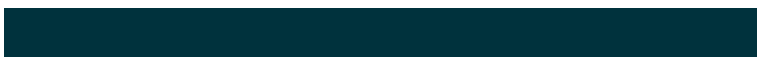
31.9617, 0.2134, 0.2009



19.0140, 0.2980, 0.3244



26.3741, 0.2074, 0.2668



2.5822, 0.2097, 0.2750

Previews

White Background



This preview shows how the Yxy color 37.7721, 0.4698, 0.3571 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 37.7721, 0.4698, 0.3571 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 37.7721, 0.4698, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 37.7721, 0.4698, 0.3571.



This preview shows how white text looks on a background with the Yxy color 37.7721, 0.4698, 0.3571.

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

37.7721, 0.4698, 0.3571

Protanopia

38.0693, 0.3667, 0.3952

Deuteranopia

37.8108, 0.4111, 0.4020



Tritanopia

37.8595, 0.4382, 0.3199

Trichromacy



Original Color

37.7721, 0.4698, 0.3571



Protanomaly

37.0226, 0.4033, 0.3807



Deuteranomaly

37.3796, 0.4327, 0.3841



Tritanomaly

37.6114, 0.4507, 0.3336

Monochromacy



Original Color

37.7721, 0.4698, 0.3571



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

36.3677, 0.3659, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7721, 0.4698, 0.3571 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(248, 133, 106)` looks like.

```
.text, #text, p{  
    color:rgb(248, 133, 106)  
}
```

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(248, 133, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 133, 106) }
```

Border

The CSS property to change the border of an element to Yxy 37.7721, 0.4698, 0.3571 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(248, 133, 106) }
```

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

```
.border{ border-color:rgb(248, 133, 106) }
```

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

Here you see how a box with a 4 pixel rgb(248, 133, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 133, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 133, 106);  
box-shadow:4px 4px 4px 4px rgb(248, 133,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7721, 0.4698, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 133, 106) }
```

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

```
.background{ background-color: rgb(248,  
133, 106) }
```

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