

Converting Colors

$Y_{xy}(43.6590, 0.4674, 0.3527)$

Have a look what the booklet for
Yxy(43.6590, 0.4674, 0.3527)
contains.

Yxy(41.5941, 0.4590, 0.3537)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5941, 0.4590, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D75
RGB	255, 141, 117
RGB Percent	100%, 55%, 46%
CMY	0.0000, 0.4470, 0.5410
CMYK	0.00, 0.45, 0.54, 0.00
HSL	10°, 100%, 73%
HSV	10°, 54%, 100%
XYZ	53.9771, 41.5941, 22.0259
YIQ	172.3500, 75.6480, 16.7040

Conversions

Conversions Part 2

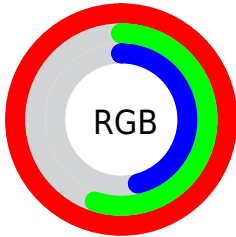
Format	Color
RYB	255, 146, 117
Decimal	16747893
CIELab	70.59, 40.82, 31.89
CIELCh	71, 51.802, 37.994
Yxy	41.5941, 0.4590, 0.3537
Android (android.graphics.Color)	4294937973 (0xFFFF8D75)
YUV	172.3500, -27.2875, 72.4841
Hunter-Lab	64.4935, 36.5299, 24.8966

Details

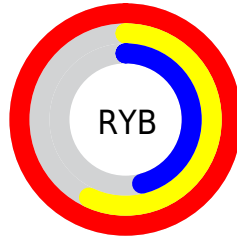
The Yxy color **41.5941, 0.4590, 0.3537** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **68.1757, 0.2377, 0.3002**, and the grayscale version is **41.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6044, 0.3829, 0.3574**, and **18.8661, 0.5020, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **35.4416, 0.5009, 0.3561**, and if you desaturate by 10%, it is **49.0963, 0.4210, 0.3498**.

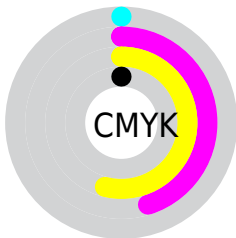
Distribution



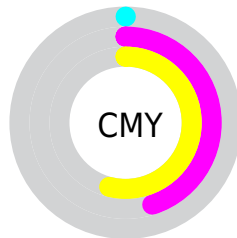
- Red (100%)
- Green (55%)
- Blue (46%)



- Red (100%)
- Yellow (57%)
- Blue (46%)



- Cyan (0%)
- Magenta (45%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5941, 0.4590, 0.3537 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 41.5941, 0.4590, 0.3537 by changing the saturation by 10% instead.


 41.5941, 0.4590,
0.3537

 41.5941, 0.4590,
0.3537


352.7976, 0.3843,
0.3457


 28.7836, 0.4776,
0.3542


 77.5849, 0.4318,
0.3519

 18.9172, 0.5011,
0.3538


 101.5341, 0.4216,
0.3509

 11.6104, 0.5316,
0.3516


 129.9649, 0.4129,
0.3499

 6.4790, 0.5721,
0.3455

163.2617, 0.4055,
0.3489

 3.1385, 0.6370,
0.3360

201.8090, 0.3991,
0.3480

 1.2045, 0.7033,
0.2967

245.9911, 0.3936,

 0.0653, 0.9428,

0.3472

0.0572

296.1925, 0.3886,
0.3464

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.5941, 0.4590,
0.3537

41.5941, 0.4590,
0.3537

35.4416, 0.5009,
0.3561

49.0963, 0.4210,
0.3498

30.5514, 0.5438,
0.3560

58.0156, 0.3883,
0.3451

26.8360, 0.5829,
0.3528

68.4228, 0.3608,
0.3402

24.1931, 0.6125,
0.3464

80.3819, 0.3381,
0.3353

■ 23.0828, 0.6248,
0.3421

■ 93.9533, 0.3194,
0.3308

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



41.5941, 0.4191, 0.2996



41.5941, 0.4590, 0.3537



41.5941, 0.4523, 0.4088

Triad

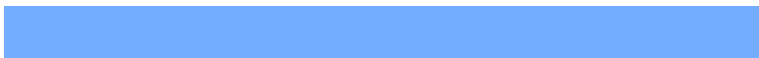
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.5941, 0.4590, 0.3537



41.5941, 0.2680, 0.4263



41.5941, 0.2166, 0.2152

Complementary

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



41.5941, 0.4590, 0.3537



68.1757, 0.2377, 0.3002

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.



41.5941, 0.1873, 0.2313



41.5941, 0.4590, 0.3537



41.5941, 0.2130, 0.3491

Square

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



41.5941, 0.4590, 0.3537



41.5941, 0.3390, 0.4663



41.5941, 0.1856, 0.2764



41.5941, 0.2723, 0.2240

Rectangle

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



41.5941, 0.4590, 0.3537



41.5941, 0.4252, 0.4409



41.5941, 0.1856, 0.2764



41.5941, 0.2038, 0.2176

Sweetspot

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



41.5963, 0.4590, 0.3537



77.9899, 0.3420, 0.3362



39.8185, 0.3402, 0.2179



16.1517, 0.3465, 0.3372



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.



41.5963, 0.4590, 0.3537



34.9520, 0.5048, 0.3562



68.1518, 0.4155, 0.4211



18.4969, 0.3290, 0.3332



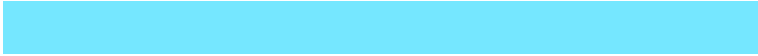
12.2088, 0.6225, 0.3439



1.3227, 0.6029, 0.3595

Inverse Universe

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



68.1757, 0.2377, 0.3002



63.8626, 0.2272, 0.2934



37.2088, 0.2194, 0.2121



19.9129, 0.2980, 0.3248



28.2364, 0.2090, 0.2724



2.8841, 0.2110, 0.2796

Previews

White Background



This preview shows how the Yxy color 41.5941, 0.4590, 0.3537 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 41.5941, 0.4590, 0.3537 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 41.5941, 0.4590, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 41.5941, 0.4590, 0.3537.



This preview shows how white text looks on a background with the Yxy color 41.5941, 0.4590, 0.3537.

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

41.5941, 0.4590, 0.3537

Protanopia

41.8401, 0.3603, 0.3861

Deuteranopia

41.4900, 0.4038, 0.3952



Tritanopia

41.5751, 0.4271, 0.3189

Trichromacy



Original Color

41.5941, 0.4590, 0.3537

Protanomaly

40.6977, 0.3949, 0.3730

Deuteranomaly

40.9994, 0.4242, 0.3783

Tritanomaly

41.5314, 0.4388, 0.3314

Monochromacy



Original Color

41.5941, 0.4590, 0.3537

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.3133, 0.3615, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5941, 0.4590, 0.3537 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(255, 141, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 117)  
}
```

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(255, 141, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 117) }
```

Border

The CSS property to change the border of an element to Yxy 41.5941, 0.4590, 0.3537 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(255, 141, 117) }
```

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

```
.border{ border-color:rgb(255, 141, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5941, 0.4590, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 117) }
```

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

```
.background{ background-color: rgb(255,  
141, 117) }
```

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