

Converting Colors

$Y_{xy}(41.4485, 0.4540, 0.3474)$

Have a look what the booklet for
Yxy(41.4485, 0.4540, 0.3474)
contains.

| | |
|------------------------------------------------|----|
| Yxy(41.4213, 0.4545, 0.3478) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(41.4213, 0.4545, 0.3478)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF8C7A |
| RGB | 255, 140, 122 |
| RGB Percent | 100%, 55%, 48% |
| CMY | 0.0000, 0.4509, 0.5217 |
| CMYK | 0.00, 0.45, 0.52, 0.00 |
| HSL | 8°, 100%, 74% |
| HSV | 8°, 52%, 100% |
| XYZ | 54.1288, 41.4213, 23.5451 |
| YIQ | 172.3330, 74.3180, 18.7820 |

Conversions

Conversions Part 2

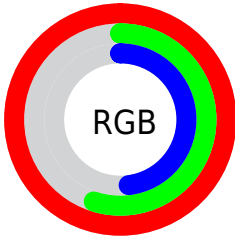
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 143, 122 |
| Decimal | 16747642 |
| CIE Lab | 70.47, 41.73, 29.04 |
| CIE LCh | 70, 50.840, 34.836 |
| Yxy | 41.4213, 0.4545, 0.3478 |
| Android (android.graphics.Color) | 4294937722 (0xFFFF8C7A) |
| YUV | 172.3330, -24.8142, 72.4990 |
| Hunter-Lab | 64.3594, 37.4966, 23.3610 |

Details

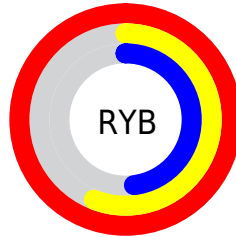
The Yxy color **41.4213, 0.4545, 0.3478** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **71.8990, 0.2410, 0.3076**, and the grayscale version is **41.5331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3854, 0.3783, 0.3501**, and **18.7668, 0.4961, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **35.0625, 0.4973, 0.3498**, and if you desaturate by 10%, it is **49.2403, 0.4162, 0.3446**.

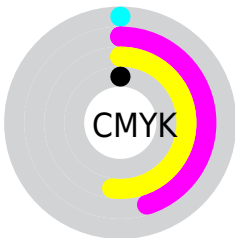
Distribution



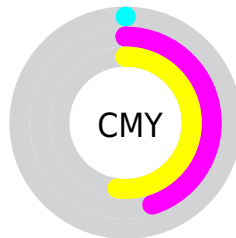
- Red (100%)
- Green (55%)
- Blue (48%)



- Red (100%)
- Yellow (56%)
- Blue (48%)



- Cyan (0%)
- Magenta (45%)
- Yellow (52%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4213, 0.4545, 0.3478 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 41.4213, 0.4545, 0.3478 by changing the saturation by 10% instead.


 41.4213, 0.4545,
0.3478

 41.4213, 0.4545,
0.3478


352.0784, 0.3819,
0.3423

 28.6484, 0.4727,
0.3478


 77.3230, 0.4280,
0.3468

 18.8150, 0.4958,
0.3469


 101.2207, 0.4180,
0.3461

 11.5367, 0.5261,
0.3443


 129.5954, 0.4096,
0.3454

 6.4290, 0.5667,
0.3380

162.8315, 0.4025,
0.3447

 3.1077, 0.6281,
0.3261

201.3135, 0.3963,
0.3441

 1.1882, 0.7077,
0.2923

245.4257, 0.3908,

 0.0520, 0.9544,

0.3434

0.0456

295.5525, 0.3861,
0.3428

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.4213, 0.4545,
0.3478

41.4213, 0.4545,
0.3478

35.0625, 0.4973,
0.3498

49.2403, 0.4162,
0.3446

30.0667, 0.5418,
0.3499


58.5959, 0.3836,
0.3409


26.3350, 0.5827,
0.3475

69.5669, 0.3565,
0.3370

23.7520, 0.6142,
0.3426

82.2246, 0.3343,
0.3333

 22.4369, 0.6300,
0.3380

 96.6364, 0.3162,
0.3297

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



41.4213, 0.4109, 0.2949



41.4213, 0.4545, 0.3478



41.4213, 0.4529, 0.4023

Triad

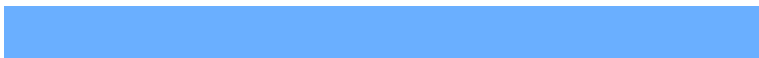
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.4213, 0.4545, 0.3478



41.4213, 0.2758, 0.4309



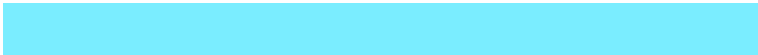
41.4213, 0.2137, 0.2173

Complementary

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



41.4213, 0.4545, 0.3478



71.8990, 0.2410, 0.3076

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.



41.4213, 0.1876, 0.2361



41.4213, 0.4545, 0.3478



41.4213, 0.2191, 0.3573

Square

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



41.4213, 0.4545, 0.3478



41.4213, 0.3463, 0.4647



41.4213, 0.1890, 0.2839



41.4213, 0.2661, 0.2235

Rectangle

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



41.4213, 0.4545, 0.3478



41.4213, 0.4288, 0.4349



41.4213, 0.1890, 0.2839



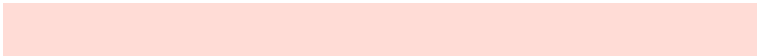
41.4213, 0.2020, 0.2206

Sweetspot

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



41.4234, 0.4545, 0.3478



77.1716, 0.3423, 0.3347



41.3013, 0.3347, 0.2176



15.9592, 0.3468, 0.3355



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.



41.4234, 0.4545, 0.3478



34.5966, 0.5010, 0.3499



66.9130, 0.4139, 0.4141



18.3841, 0.3291, 0.3323



11.8447, 0.6281, 0.3395



1.2693, 0.6105, 0.3535

Inverse Universe

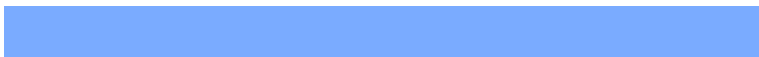
The Inverse Universe completely reimagines the original color for something new.



71.8990, 0.2410, 0.3076



68.0174, 0.2308, 0.3024



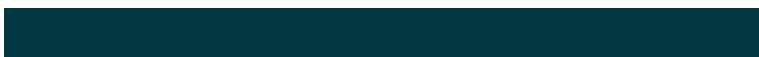
40.3860, 0.2239, 0.2228



20.0365, 0.2980, 0.3257



30.7965, 0.2126, 0.2854



3.1097, 0.2141, 0.2908

Previews

White Background



This preview shows how the Yxy color 41.4213, 0.4545, 0.3478 looks on a white background.

Color Contrast Check

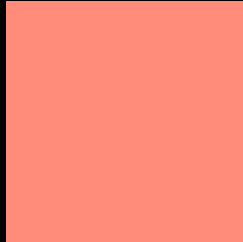
Large Text (above 18pt) WCAG AA × Fail

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 41.4213, 0.4545, 0.3478 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 41.4213, 0.4545, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 41.4213, 0.4545, 0.3478.



This preview shows how white text looks on a background with the Yxy color 41.4213, 0.4545, 0.3478.

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

41.4213, 0.4545, 0.3478

Protanopia

41.4730, 0.3552, 0.3781

Deuteranopia

41.4600, 0.3983, 0.3895



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.4213, 0.4545, 0.3478

Protanomaly

40.4819, 0.3905, 0.3656

Deuteranomaly

40.9561, 0.4184, 0.3728

Tritanomaly

41.5602, 0.4377, 0.3304

Monochromacy



Original Color

41.4213, 0.4545, 0.3478

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.0313, 0.3598, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4213, 0.4545, 0.3478 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, 140, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 122)  
}
```

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, 140, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 122) }
```

Border

The CSS property to change the border of an element to Yxy 41.4213, 0.4545, 0.3478 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, 140, 122) }
```

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

```
.border{ border-color:rgb(255, 140, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4213, 0.4545, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 122) }
```

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

```
.background{ background-color: rgb(255,  
140, 122) }
```

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