

Converting Colors

$Y_{xy}(38.1245, 0.4557, 0.3292)$

Have a look what the booklet for
Yxy(38.1245, 0.4557, 0.3292)
contains.

| | |
|--|----|
| Yxy(38.2569, 0.4551, 0.3294) | 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(38.2569, 0.4551, 0.3294)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF8080 |
| RGB | 255, 128, 128 |
| RGB Percent | 100%, 50%, 50% |
| CMY | 0.0000, 0.4980, 0.4979 |
| CMYK | 0.00, 0.50, 0.50, 0.00 |
| HSL | 360°, 100%, 75% |
| HSV | 360°, 50%, 100% |
| XYZ | 52.8558, 38.2569, 25.0284 |
| YIQ | 165.9730, 75.6920, 26.9240 |

Conversions

Conversions Part 2

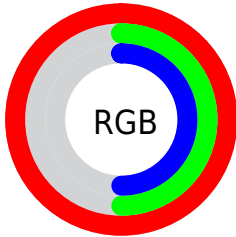
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 128, 128 |
| Decimal | 16744576 |
| CIELab | 68.21, 48.20, 22.67 |
| CIELCh | 68, 53.265, 25.194 |
| Yxy | 38.2569, 0.4551, 0.3294 |
| Android (android.graphics.Color) | 4294934656 (0xFFFF8080) |
| YUV | 165.9730, -18.7207, 78.0767 |
| Hunter-Lab | 61.8522, 44.2961, 19.3049 |

Details

The Yxy color **38.2569, 0.4551, 0.3294** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.3264, 0.2475, 0.3288**, and the grayscale version is **38.1866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4632, 0.3769, 0.3313**, and **16.9314, 0.4989, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **31.8321, 0.5017, 0.3295**, and if you desaturate by 10%, it is **46.5255, 0.4141, 0.3293**.

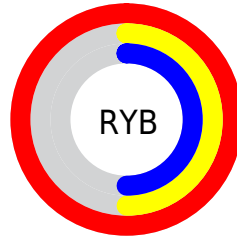
Distribution



Red (100%)

Green (50%)

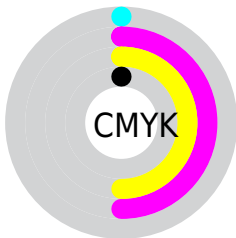
Blue (50%)



Red (100%)

Yellow (50%)

Blue (50%)

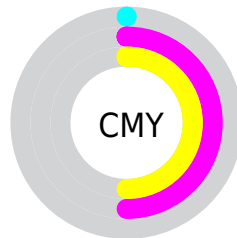


Cyan (0%)

Magenta (50%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2569, 0.4551, 0.3294 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 38.2569, 0.4551, 0.3294 by changing the saturation by 10% instead.


 38.2569, 0.4551,
0.3294


 38.2569, 0.4551,
0.3294


338.7207, 0.3811,
0.3327


 26.1821, 0.4741,
0.3274


 72.5017, 0.4277,
0.3315

 16.9599, 0.4986,
0.3240


 95.4406, 0.4176,
0.3320

 10.2059, 0.5311,
0.3183


 122.7696, 0.4091,
0.3323

 5.5357, 0.5758,
0.3080

154.8731, 0.4018,
0.3325

 2.5649, 0.6421,
0.2892

192.1356, 0.3955,
0.3326

 0.9090, 0.7481,
0.2519

234.9415, 0.3901,

 0.0000, 1.0000,

0.3327


0.0000


283.6750, 0.3853,
0.3327

 0.0000, 0.0000,
0.0000

 38.2569, 0.4551,
0.3294


 38.2569, 0.4551,
0.3294


 31.8321, 0.5017,
0.3295


 46.5255, 0.4141,
0.3293

 27.1046, 0.5502,
0.3297


 56.7578, 0.3799,
0.3292

 23.9155, 0.5938,
0.3298

 69.0708, 0.3522,
0.3291

 22.0733, 0.6247,
0.3299

 83.5704, 0.3300,
0.3290

 21.2716, 0.6398,
0.3300

99.9994, 0.3127,
0.3290

 21.2594, 0.6401,
0.3300

Harmonies

Analogous

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



38.2569, 0.3950, 0.2760



38.2569, 0.4551, 0.3294



38.2569, 0.4687, 0.3874

Triad

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



38.2569, 0.4551, 0.3294



38.2569, 0.2960, 0.4577



38.2569, 0.1953, 0.2133

Complementary

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



38.2569, 0.4551, 0.3294



83.3264, 0.2475, 0.3288

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.



38.2569, 0.1770, 0.2421



38.2569, 0.4551, 0.3294



38.2569, 0.2290, 0.3871

Square

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



38.2569, 0.4551, 0.3294



38.2569, 0.3716, 0.4744



38.2569, 0.1877, 0.3028



38.2569, 0.2419, 0.2122

Rectangle

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



38.2569, 0.4551, 0.3294



38.2569, 0.4509, 0.4248



38.2569, 0.1877, 0.3028



38.2569, 0.1861, 0.2196

Sweetspot

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



38.2589, 0.4551, 0.3294



75.7539, 0.3409, 0.3291



43.5203, 0.3165, 0.2080



15.5730, 0.3457, 0.3291



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.



38.2589, 0.4551, 0.3294



31.7224, 0.5027, 0.3295



59.3795, 0.4190, 0.3924



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Inverse Universe

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



38.2589, 0.4551, 0.3294



31.7224, 0.5027, 0.3295



50.2237, 0.2328, 0.2533



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 38.2569, 0.4551, 0.3294 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 38.2569, 0.4551, 0.3294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

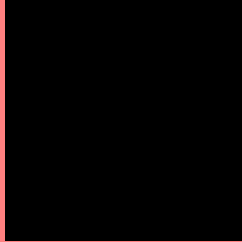
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2569, 0.4551, 0.3294

Background



This preview shows how black text looks on a background with the Yxy color 38.2569, 0.4551, 0.3294.



This preview shows how white text looks on a background with the Yxy color 38.2569, 0.4551, 0.3294.

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

38.2569, 0.4551, 0.3294

Protanopia

38.3464, 0.3381, 0.3573

Deuteranopia

38.4420, 0.3851, 0.3780



Tritanopia

38.2163, 0.4464, 0.3202

Trichromacy



Original Color

38.2569, 0.4551, 0.3294



Protanomaly

37.0171, 0.3788, 0.3461



Deuteranomaly

37.5659, 0.4109, 0.3573



Tritanomaly

38.1322, 0.4499, 0.3233

Monochromacy



Original Color

38.2569, 0.4551, 0.3294



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.7292, 0.3601, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2569, 0.4551, 0.3294 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, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 128)  
}
```

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, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 128) }
```

Border

The CSS property to change the border of an element to Yxy 38.2569, 0.4551, 0.3294 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, 128, 128) }
```

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

```
.border{ border-color:rgb(255, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2569, 0.4551, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 128) }
```

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

```
.background{ background-color: rgb(255,  
128, 128) }
```

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