

Converting Colors

$Y_{xy}(44.5922, 0.4866, 0.3391)$

Have a look what the booklet for
Yxy(44.5922, 0.4866, 0.3391)
contains.

| | |
|-------------------------------------------|----|
| Yxy(38.8487, 0.4624, 0.3405) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(38.8487, 0.4624, 0.3405)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF8378 |
| RGB | 255, 131, 120 |
| RGB Percent | 100%, 51%, 47% |
| CMY | 0.0000, 0.4863, 0.5294 |
| CMYK | 0.00, 0.49, 0.53, 0.00 |
| HSL | 5°, 100%, 74% |
| HSV | 5°, 53%, 100% |
| XYZ | 52.7566, 38.8487, 22.4877 |
| YIQ | 166.8220, 77.4350, 22.8670 |

Conversions

Conversions Part 2

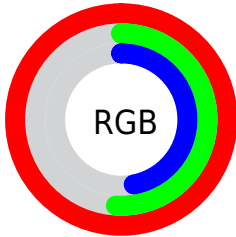
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 132, 120 |
| Decimal | 16745336 |
| CIE _{Lab} | 68.64, 46.08, 27.71 |
| CIE _{LCh} | 69, 53.770, 31.024 |
| Yxy | 38.8487, 0.4624, 0.3405 |
| Android (android.graphics.Color) | 4294935416 (0xFFFF8378) |
| YUV | 166.8220, -23.0832, 77.3321 |
| Hunter-Lab | 62.3287, 42.0118, 22.2387 |

Details

The Yxy color **38.8487, 0.4624, 0.3405** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **75.9272, 0.2420, 0.3160**, and the grayscale version is **38.6324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3564, 0.3838, 0.3439**, and **17.3730, 0.5078, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **32.7088, 0.5075, 0.3415**, and if you desaturate by 10%, it is **46.5659, 0.4219, 0.3387**.

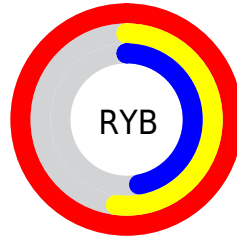
Distribution



Red (100%)

Green (51%)

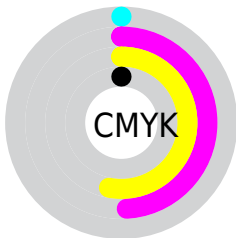
Blue (47%)



Red (100%)

Yellow (52%)

Blue (47%)

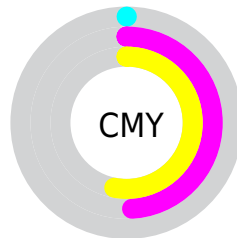


Cyan (0%)

Magenta (49%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8487, 0.4624, 0.3405 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 38.8487, 0.4624, 0.3405 by changing the saturation by 10% instead.


 38.8487, 0.4624,
0.3405


 38.8487, 0.4624,
0.3405

341.2468, 0.3849,
0.3389


 26.6420, 0.4820,
0.3394


 73.4071, 0.4339,
0.3410

 17.3046, 0.5072,
0.3371


 96.5277, 0.4233,
0.3408

 10.4519, 0.5402,
0.3325


 124.0550, 0.4143,
0.3406

 5.6996, 0.5847,
0.3231

156.3735, 0.4067,
0.3403

 2.6633, 0.6561,
0.3081

193.8675, 0.4001,
0.3399

 0.9586, 0.7370,
0.2630

236.9215, 0.3944,

 0.0000, 1.0000,

0.3396

0.0000

285.9198, 0.3894,
0.3392

0.0000, 0.0000,
0.0000

38.8487, 0.4624,
0.3405

38.8487, 0.4624,
0.3405

32.7088, 0.5075,
0.3415

46.5659, 0.4219,
0.3387

28.0505, 0.5535,
0.3413

55.9751, 0.3875,
0.3364

24.7440, 0.5944,
0.3394

67.1631, 0.3591,
0.3341

22.6441, 0.6235,
0.3360

80.2150, 0.3361,
0.3318

21.7868, 0.6355,
0.3336

95.2104, 0.3175,
0.3296

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



38.8487, 0.4098, 0.2855



38.8487, 0.4624, 0.3405



38.8487, 0.4661, 0.3988

Triad

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



38.8487, 0.4624, 0.3405



38.8487, 0.2815, 0.4481



38.8487, 0.2018, 0.2106

Complementary

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



38.8487, 0.4624, 0.3405



75.9272, 0.2420, 0.3160

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.



38.8487, 0.1779, 0.2337



38.8487, 0.4624, 0.3405



38.8487, 0.2182, 0.3704

Square

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



38.8487, 0.4624, 0.3405



38.8487, 0.3573, 0.4765



38.8487, 0.1828, 0.2883



38.8487, 0.2538, 0.2144

Rectangle

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



38.8487, 0.4624, 0.3405



38.8487, 0.4429, 0.4352



38.8487, 0.1828, 0.2883



38.8487, 0.1907, 0.2151

Sweetspot

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



38.8438, 0.4624, 0.3405



76.0185, 0.3426, 0.3324



41.3474, 0.3267, 0.2091



15.6885, 0.3473, 0.3329



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.



38.8438, 0.4624, 0.3405



32.1472, 0.5124, 0.3416



62.3224, 0.4209, 0.4068



18.2243, 0.3292, 0.3310



11.4663, 0.6342, 0.3347



1.1942, 0.6217, 0.3446

Inverse Universe

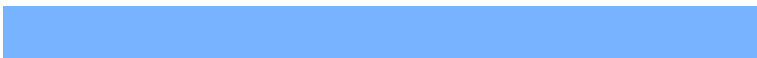
The Inverse Universe completely reimagines the original color for something new.



75.9272, 0.2420, 0.3160



72.8270, 0.2325, 0.3129



43.2540, 0.2250, 0.2328



20.2137, 0.2980, 0.3270



34.7042, 0.2176, 0.3033



3.4508, 0.2185, 0.3064

Previews

White Background



This preview shows how the Yxy color 38.8487, 0.4624, 0.3405 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 38.8487, 0.4624, 0.3405 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 38.8487, 0.4624, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 38.8487, 0.4624, 0.3405.



This preview shows how white text looks on a background with the Yxy color 38.8487, 0.4624, 0.3405.

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

38.8487, 0.4624, 0.3405

Protanopia

39.2478, 0.3506, 0.3739

Deuteranopia

39.1451, 0.3963, 0.3886



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.8487, 0.4624, 0.3405

Protanomaly

38.1762, 0.3898, 0.3612

Deuteranomaly

38.4692, 0.4211, 0.3687

Tritanomaly

38.8640, 0.4505, 0.3284

Monochromacy



Original Color

38.8487, 0.4624, 0.3405

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.4553, 0.3626, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8487, 0.4624, 0.3405 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, 131, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 120)  
}
```

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, 131, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 120) }
```

Border

The CSS property to change the border of an element to Yxy 38.8487, 0.4624, 0.3405 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, 131, 120) }
```

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

```
.border{ border-color:rgb(255, 131, 120) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8487, 0.4624, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 120) }
```

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

```
.background{ background-color: rgb(255,  
131, 120) }
```

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