

Converting Colors

$Y_{xy}(42.1154, 0.4493, 0.3584)$

Have a look what the booklet for
Yxy(42.1154, 0.4493, 0.3584)
contains.

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Color

Yxy(42.0055, 0.4493, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	F99276
RGB	249, 146, 118
RGB Percent	98%, 57%, 46%
CMY	0.0236, 0.4274, 0.5371
CMYK	0.00, 0.41, 0.53, 0.02
HSL	13°, 92%, 72%
HSV	13°, 53%, 98%
XYZ	52.6152, 42.0055, 22.4841
YIQ	173.6050, 70.3760, 13.1280

Conversions

Conversions Part 2

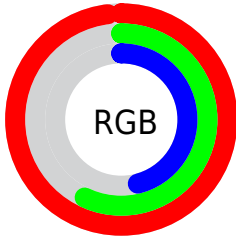
Format	Color
RYB	249, 154, 118
Decimal	16355958
CIELab	70.87, 36.09, 31.57
CIElCh	71, 47.946, 41.182
Yxy	42.0055, 0.4493, 0.3587
Android (android.graphics.Color)	4294546038 (0xFFFF99276)
YUV	173.6050, -27.4133, 66.1214
Hunter-Lab	64.8117, 31.4889, 24.7996

Details

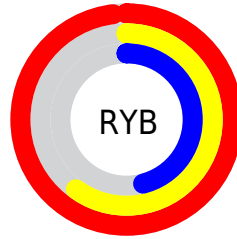
The Yxy color **42.0055, 0.4493, 0.3587** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.4137, 0.2381, 0.2946**, and the grayscale version is **42.2332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9356, 0.3803, 0.3615**, and **19.2539, 0.4891, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **35.9626, 0.4891, 0.3622**, and if you desaturate by 10%, it is **49.2427, 0.4135, 0.3536**.

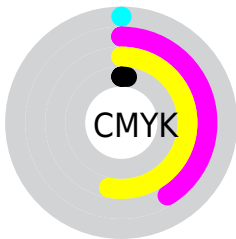
Distribution



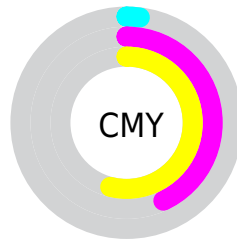
- Red (98%)
- Green (57%)
- Blue (46%)



- Red (98%)
- Yellow (60%)
- Blue (46%)



- Cyan (0%)
- Magenta (41%)
- Yellow (53%)
- Black (2%)





- Cyan (2%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0055, 0.4493, 0.3587 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 42.0055, 0.4493, 0.3587 by changing the saturation by 10% instead.


 42.0055, 0.4493,
0.3587

 42.0055, 0.4493,
0.3587

354.5057, 0.3796,
0.3477


 29.1056, 0.4666,
0.3600


 78.2079, 0.4239,
0.3557

 19.1607, 0.4886,
0.3609


 102.2793, 0.4144,
0.3543

 11.7865, 0.5172,
0.3604


 130.8432, 0.4063,
0.3529

 6.5984, 0.5553,
0.3568

164.2842, 0.3994,
0.3517

 3.2123, 0.6157,
0.3506

202.9865, 0.3935,
0.3505

 1.2435, 0.6819,
0.3181

247.3346, 0.3883,

 0.0968, 0.9101,

0.3495

0.0899

297.7129, 0.3837,
0.3485

0.0000, 0.0000,
0.0000

42.0055, 0.4493,
0.3587

42.0055, 0.4493,
0.3587

35.9626, 0.4891,
0.3622

49.2427, 0.4135,
0.3536

31.0424, 0.5304,
0.3630

57.7279, 0.3826,
0.3478

27.1752, 0.5694,
0.3604

67.5193, 0.3565,
0.3418

24.2801, 0.6009,
0.3539

78.6693, 0.3348,
0.3359

22.7019, 0.6178,
0.3476

91.2276, 0.3168,
0.3304

98.8782, 0.3090,
0.3290

Harmonies

Analogous

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



42.0055, 0.4166, 0.3073



42.0055, 0.4493, 0.3587



42.0055, 0.4395, 0.4095

Triad

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



42.0055, 0.4493, 0.3587



42.0055, 0.2654, 0.4115



42.0055, 0.2277, 0.2225

Complementary

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



42.0055, 0.4493, 0.3587



62.4137, 0.2381, 0.2946

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.



42.0055, 0.1972, 0.2355



42.0055, 0.4493, 0.3587



42.0055, 0.2161, 0.3402

Square

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



42.0055, 0.4493, 0.3587



42.0055, 0.3308, 0.4533



42.0055, 0.1930, 0.2752



42.0055, 0.2823, 0.2330

Rectangle

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



42.0055, 0.4493, 0.3587



42.0055, 0.4126, 0.4376



42.0055, 0.1930, 0.2752



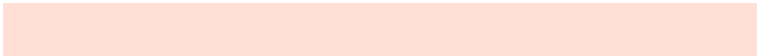
42.0055, 0.2147, 0.2241

Sweetspot

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



42.0076, 0.4493, 0.3587



78.8558, 0.3418, 0.3379



38.4197, 0.3436, 0.2244



16.3556, 0.3462, 0.3391



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.



42.0076, 0.4493, 0.3587



37.6880, 0.4911, 0.3623



67.3941, 0.4097, 0.4227



17.8261, 0.3289, 0.3341



12.3192, 0.6153, 0.3496



1.2882, 0.5933, 0.3671

Inverse Universe

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



62.4137, 0.2381, 0.2946



61.1626, 0.2271, 0.2865



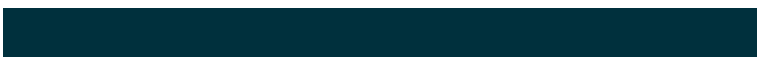
34.9154, 0.2210, 0.2103



18.9422, 0.2980, 0.3238



24.9629, 0.2052, 0.2586



2.4633, 0.2078, 0.2680

Previews

White Background



This preview shows how the Yxy color 42.0055, 0.4493, 0.3587 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 42.0055, 0.4493, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

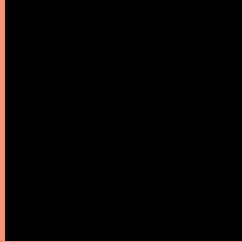
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0055, 0.4493, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 42.0055, 0.4493, 0.3587.



This preview shows how white text looks on a background with the Yxy color 42.0055, 0.4493, 0.3587.

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

42.0055, 0.4493, 0.3587

Protanopia

42.3229, 0.3618, 0.3885

Deuteranopia

42.0427, 0.4024, 0.3937



Tritanopia

41.8260, 0.4175, 0.3176

Trichromacy



Original Color

42.0055, 0.4493, 0.3587

Protanomaly

41.6126, 0.3924, 0.3768

Deuteranomaly

41.8814, 0.4204, 0.3808

Tritanomaly

41.8624, 0.4288, 0.3325

Monochromacy



Original Color

42.0055, 0.4493, 0.3587

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.3015, 0.3577, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0055, 0.4493, 0.3587 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(249, 146, 118)` looks like.

```
.text, #text, p{  
    color:rgb(249, 146, 118)  
}
```

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(249, 146, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 146, 118) }
```

Border

The CSS property to change the border of an element to Yxy 42.0055, 0.4493, 0.3587 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(249, 146, 118) }
```

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

```
.border{ border-color:rgb(249, 146, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 146, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 146, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 146, 118);  
box-shadow:4px 4px 4px 4px rgb(249, 146,  
118) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.0055, 0.4493, 0.3587$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 146, 118) }
```

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

```
.background{ background-color: rgb(249,  
146, 118) }
```

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](#).

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