

Converting Colors

$Y_{xy}(72.4698, 0.5635, 0.3709)$

Have a look what the booklet for
Yxy(72.4698, 0.5635, 0.3709)
contains.

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Color

Yxy(42.7987, 0.4988, 0.4049)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF943F |
| RGB | 255, 148, 63 |
| RGB Percent | 100%, 58%, 25% |
| CMY | 0.0000, 0.4196, 0.7531 |
| CMYK | 0.00, 0.42, 0.75, 0.00 |
| HSL | 27°, 100%, 62% |
| HSV | 27°, 75%, 100% |
| XYZ | 52.7241, 42.7987, 10.1791 |
| YIQ | 170.3030, 91.0570, -3.7510 |

Conversions

Conversions Part 2

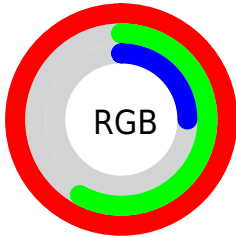
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 216, 63 |
| Decimal | 16749631 |
| CIE Lab | 71.42, 34.03, 59.95 |
| CIE LCh | 71, 68.933, 60.422 |
| Yxy | 42.7987, 0.4988, 0.4049 |
| Android (android.graphics.Color) | 4294939711 (0xFFFF943F) |
| YUV | 170.3030, -52.9004, 74.2793 |
| Hunter-Lab | 65.4207, 29.3711, 36.5693 |

Details

The Yxy color **42.7987, 0.4988, 0.4049** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.0026, 0.2011, 0.2159**, and the grayscale version is **40.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2097, 0.4204, 0.4174**, and **19.5722, 0.5411, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **38.3921, 0.5270, 0.4040**, and if you desaturate by 10%, it is **47.8886, 0.4685, 0.4008**.

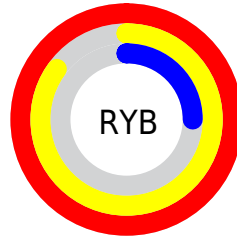
Distribution



Red (100%)

Green (58%)

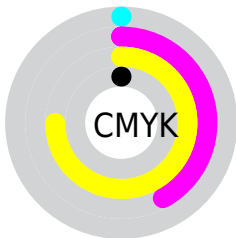
Blue (25%)



Red (100%)

Yellow (85%)

Blue (25%)

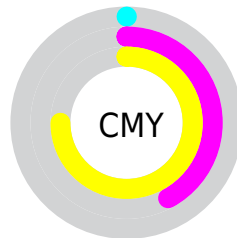


Cyan (0%)

Magenta (42%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7987, 0.4988, 0.4049 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 42.7987, 0.4988, 0.4049 by changing the saturation by 10% instead.


 42.7987, 0.4988,
0.4049

 42.7987, 0.4988,
0.4049


357.7833, 0.4089,
0.3775

 29.7272, 0.5183,
0.4075


 79.4070, 0.4680,
0.3980


 19.6316, 0.5411,
0.4084


 103.7126, 0.4558,
0.3945


 12.1276, 0.5675,
0.4057


 132.5317, 0.4452,
0.3911

 6.8306, 0.6014,
0.3986

 166.2487, 0.4360,
0.3879

 3.3564, 0.6280,
0.3720

 205.2479, 0.4279,
0.3850

 1.3205, 0.6700,
0.3300

249.9138, 0.4208,

 0.1570, 0.8628,

0.3823

0.1372

300.6308, 0.4145,
0.3798

■ 0.0000, 0.0000,
0.0000

■ 42.7987, 0.4988,
0.4049

■ 42.7987, 0.4988,
0.4049

■ 38.3921, 0.5270,
0.4040

■ 47.8886, 0.4685,
0.4008

■ 34.6224, 0.5508,
0.3975

■ 53.6899, 0.4381,
0.3928

■ 33.0545, 0.5606,
0.3931

■ 60.2364, 0.4093,
0.3823

■ 67.5576, 0.3829,
0.3706

■ 75.6807, 0.3595,
0.3584

84.6316, 0.3390,
0.3463

94.4350, 0.3212,
0.3348

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



42.7987, 0.4968, 0.3368



42.7987, 0.4988, 0.4049



42.7987, 0.4464, 0.4716

Triad

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



42.7987, 0.4988, 0.4049



42.7987, 0.1980, 0.3819



42.7987, 0.2388, 0.1926

Complementary

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



42.7987, 0.4988, 0.4049



37.0026, 0.2011, 0.2159

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.



42.7987, 0.1792, 0.1878



42.7987, 0.4988, 0.4049



42.7987, 0.1577, 0.2776

Square

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



42.7987, 0.4988, 0.4049



42.7987, 0.2730, 0.4830



42.7987, 0.1526, 0.2133



42.7987, 0.3300, 0.2229

Rectangle

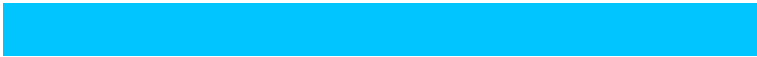
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.7987, 0.4988, 0.4049



42.7987, 0.3933, 0.5043



42.7987, 0.1526, 0.2133



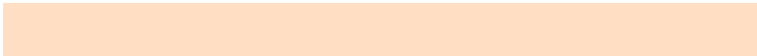
42.7987, 0.2151, 0.1880

Sweetspot

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



42.8010, 0.4988, 0.4049



77.6775, 0.3545, 0.3555



27.7795, 0.4209, 0.2318



15.9631, 0.3624, 0.3599



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.



42.8010, 0.4988, 0.4049



36.5490, 0.5388, 0.4017



85.2340, 0.4191, 0.4831



19.3112, 0.3283, 0.3396



17.5595, 0.5578, 0.3953



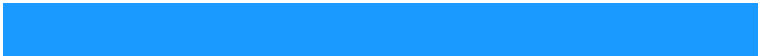
1.9233, 0.5382, 0.4109

Inverse Universe

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



37.0026, 0.2011, 0.2159



30.3315, 0.1880, 0.1906



13.4117, 0.1716, 0.1015



19.0563, 0.2979, 0.3182



14.1933, 0.1825, 0.1769



1.5999, 0.1877, 0.1957

Previews

White Background



This preview shows how the Yxy color 42.7987, 0.4988, 0.4049 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 42.7987, 0.4988, 0.4049 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 42.7987, 0.4988, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 42.7987, 0.4988, 0.4049.



This preview shows how white text looks on a background with the Yxy color 42.7987, 0.4988, 0.4049.

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

42.7987, 0.4988, 0.4049

Protanopia

43.1077, 0.4145, 0.4562

Deuteranopia

42.9929, 0.4530, 0.4449



Tritanopia

42.8404, 0.4219, 0.3199

Trichromacy



Original Color

42.7987, 0.4988, 0.4049

Protanomaly

42.4415, 0.4458, 0.4370

Deuteranomaly

42.6132, 0.4704, 0.4298

Tritanomaly

42.5384, 0.4550, 0.3549

Monochromacy



Original Color

42.7987, 0.4988, 0.4049

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.8969, 0.3806, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7987, 0.4988, 0.4049 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, 148, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 63)  
}
```

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, 148, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 63) }
```

Border

The CSS property to change the border of an element to Yxy 42.7987, 0.4988, 0.4049 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, 148, 63) }
```

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

```
.border{ border-color:rgb(255, 148, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7987, 0.4988, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 63) }
```

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

```
.background{ background-color: rgb(255,  
148, 63) }
```

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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