

Converting Colors

$Y_{xy}(48.0890, 0.5164, 0.3875)$

Have a look what the booklet for
Yxy(48.0890, 0.5164, 0.3875)
contains.

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Color

Yxy(42.2727, 0.4955, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	FF9247
RGB	255, 146, 71
RGB Percent	100%, 57%, 28%
CMY	0.0000, 0.4274, 0.7217
CMYK	0.00, 0.43, 0.72, 0.00
HSL	24°, 100%, 64%
HSV	24°, 72%, 100%
XYZ	52.6549, 42.2727, 11.3386
YIQ	170.0410, 89.0390, -0.2170

Conversions

Conversions Part 2

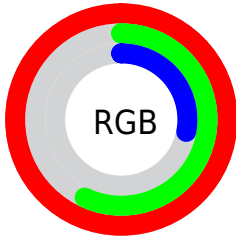
Format	Color
RYB	255, 198, 71
Decimal	16749127
CIELab	71.06, 35.40, 56.01
CIELCh	71, 66.254, 57.707
Yxy	42.2727, 0.4955, 0.3978
Android (android.graphics.Color)	4294939207 (0xFFFF9247)
YUV	170.0410, -48.8272, 74.5090
Hunter-Lab	65.0175, 30.7791, 35.1724

Details

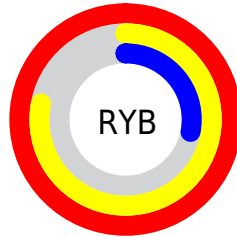
The Yxy color **42.2727, 0.4955, 0.3978** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **41.1803, 0.2068, 0.2304**, and the grayscale version is **40.4347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4633, 0.4161, 0.4083**, and **19.2523, 0.5386, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **37.6608, 0.5264, 0.3979**, and if you desaturate by 10%, it is **47.6413, 0.4632, 0.3931**.

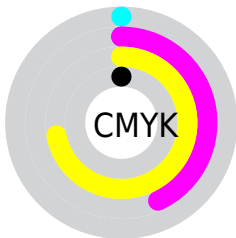
Distribution



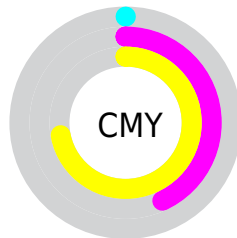
- Red (100%)
- Green (57%)
- Blue (28%)



- Red (100%)
- Yellow (78%)
- Blue (28%)



- Cyan (0%)
- Magenta (43%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2727, 0.4955, 0.3978 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 42.2727, 0.4955, 0.3978 by changing the saturation by 10% instead.


 42.2727, 0.4955,
0.3978


 42.2727, 0.4955,
0.3978


355.6121, 0.4061,
0.3729

 29.3149, 0.5154,
0.4002


 78.6122, 0.4644,
0.3915


 19.3192, 0.5391,
0.4011


 102.7626, 0.4523,
0.3883


 11.9011, 0.5669,
0.3984


 131.4127, 0.4418,
0.3852

 6.6764, 0.6063,
0.3937

 164.9469, 0.4327,
0.3824

 3.2605, 0.6341,
0.3659

 203.7496, 0.4248,
0.3797

 1.2692, 0.6779,
0.3221

248.2050, 0.4178,

 0.1172, 0.8935,

0.3772

0.1065

298.6978, 0.4116,
0.3750

■ 0.0000, 0.0000,
0.0000

■ 42.2727, 0.4955,
0.3978

■ 42.2727, 0.4955,
0.3978

■ 37.6608, 0.5264,
0.3979

■ 47.6413, 0.4632,
0.3931

■ 33.7565, 0.5533,
0.3925

■ 53.7979, 0.4317,
0.3850

■ 31.1574, 0.5708,
0.3850

■ 60.7793, 0.4025,
0.3749

■ 68.6179, 0.3762,
0.3639

■ 77.3441, 0.3532,
0.3526

 86.9864, 0.3332,
0.3416

 97.5722, 0.3161,
0.3312

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



42.2727, 0.4872, 0.3316



42.2727, 0.4955, 0.3978



42.2727, 0.4492, 0.4628

Triad

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



42.2727, 0.4955, 0.3978



42.2727, 0.2072, 0.3902



42.2727, 0.2346, 0.1948

Complementary

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



42.2727, 0.4955, 0.3978



41.1803, 0.2068, 0.2304

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.



42.2727, 0.1793, 0.1927



42.2727, 0.4955, 0.3978



42.2727, 0.1642, 0.2876

Square

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



42.2727, 0.4955, 0.3978



42.2727, 0.2826, 0.4828



42.2727, 0.1560, 0.2210



42.2727, 0.3208, 0.2223

Rectangle

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



42.2727, 0.4955, 0.3978



42.2727, 0.3993, 0.4957



42.2727, 0.1560, 0.2210



42.2727, 0.2125, 0.1911

Sweetspot

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



42.2749, 0.4955, 0.3978



77.5031, 0.3528, 0.3524



29.1132, 0.4059, 0.2278



16.0623, 0.3587, 0.3554



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.



42.2749, 0.4955, 0.3978



35.6904, 0.5400, 0.3959



82.0480, 0.4204, 0.4755



19.2033, 0.3284, 0.3387



16.5561, 0.5678, 0.3873



1.8203, 0.5472, 0.4037

Inverse Universe

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



41.1803, 0.2068, 0.2304



34.2875, 0.1932, 0.2067



15.7637, 0.1778, 0.1156



19.1663, 0.2979, 0.3191



15.6410, 0.1859, 0.1892



1.7378, 0.1908, 0.2067

Previews

White Background



This preview shows how the Yxy color 42.2727, 0.4955, 0.3978 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 42.2727, 0.4955, 0.3978 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 42.2727, 0.4955, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 42.2727, 0.4955, 0.3978.



This preview shows how white text looks on a background with the Yxy color 42.2727, 0.4955, 0.3978.

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

42.2727, 0.4955, 0.3978

Protanopia

42.5619, 0.4083, 0.4487

Deuteranopia

42.4175, 0.4470, 0.4386



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.2727, 0.4955, 0.3978

Protanomaly

41.6717, 0.4414, 0.4288

Deuteranomaly

42.2026, 0.4650, 0.4230

Tritanomaly

41.9865, 0.4543, 0.3508

Monochromacy



Original Color

42.2727, 0.4955, 0.3978

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.6285, 0.3781, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2727, 0.4955, 0.3978 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, 146, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 71)  
}
```

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, 146, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 71) }
```

Border

The CSS property to change the border of an element to Yxy 42.2727, 0.4955, 0.3978 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, 146, 71) }
```

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

```
.border{ border-color:rgb(255, 146, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2727, 0.4955, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 71) }
```

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

```
.background{ background-color: rgb(255,  
146, 71) }
```

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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