

Converting Colors

$Y_{xy}(42.1881, 0.4853, 0.3861)$

Have a look what the booklet for
Yxy(42.1881, 0.4853, 0.3861)
contains.

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Color

Yxy(42.1827, 0.4850, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	FF9156
RGB	255, 145, 86
RGB Percent	100%, 57%, 34%
CMY	0.0000, 0.4313, 0.6629
CMYK	0.00, 0.43, 0.66, 0.00
HSL	21°, 100%, 67%
HSV	21°, 66%, 100%
XYZ	53.0428, 42.1827, 14.1411
YIQ	171.1640, 84.4990, 4.9710

Conversions

Conversions Part 2

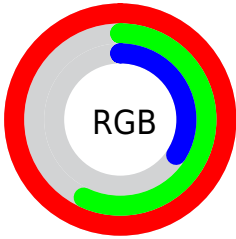
Format	Color
RYB	255, 177, 86
Decimal	16748886
CIELab	71.00, 36.67, 48.71
CIELCh	71, 60.970, 53.028
Yxy	42.1827, 0.4850, 0.3857
Android (android.graphics.Color)	4294938966 (0xFFFF9156)
YUV	171.1640, -41.9859, 73.5242
Hunter-Lab	64.9482, 32.1205, 32.5546

Details

The Yxy color **42.1827, 0.4850, 0.3857** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **48.6496, 0.2166, 0.2533**, and the grayscale version is **40.9946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4035, 0.4057, 0.3930**, and **19.2997, 0.5287, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **37.1387, 0.5199, 0.3874**, and if you desaturate by 10%, it is **48.1181, 0.4503, 0.3802**.

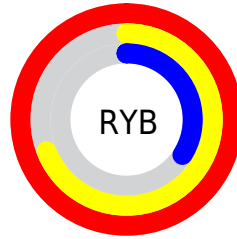
Distribution



Red (100%)

Green (57%)

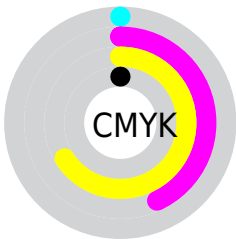
Blue (34%)



Red (100%)

Yellow (69%)

Blue (34%)

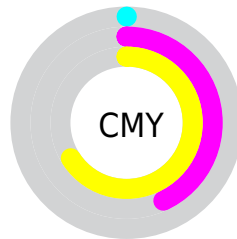


Cyan (0%)

Magenta (43%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1827, 0.4850, 0.3857 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 42.1827, 0.4850, 0.3857 by changing the saturation by 10% instead.


 42.1827, 0.4850,
0.3857


 42.1827, 0.4850,
0.3857


355.2397, 0.3993,
0.3649


 29.2444, 0.5049,
0.3879


 78.4761, 0.4547,
0.3803


 19.2658, 0.5291,
0.3889


 102.5999, 0.4430,
0.3776

 11.8625, 0.5587,
0.3872

 131.2210, 0.4330,
0.3750

 6.6501, 0.5986,
0.3823

 164.7238, 0.4244,
0.3727

 3.2443, 0.6388,
0.3612

 203.4927, 0.4169,
0.3705

 1.2605, 0.6837,
0.3163

247.9120, 0.4103,

 0.1103, 0.9015,

0.3685

0.0985

298.3663, 0.4045,
0.3666

■ 0.0000, 0.0000,
0.0000

■ 42.1827, 0.4850,
0.3857

■ 42.1827, 0.4850,
0.3857

■ 37.1387, 0.5199,
0.3874

■ 48.1181, 0.4503,
0.3802

■ 32.9311, 0.5521,
0.3843

■ 54.9823, 0.4178,
0.3722

■ 29.5074, 0.5785,
0.3760

■ 62.8183, 0.3887,
0.3630

■ 28.4181, 0.5869,
0.3722

■ 71.6641, 0.3633,
0.3533

■ 81.5556, 0.3415,
0.3437

 92.5269, 0.3229,
0.3345

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



42.1827, 0.4671, 0.3234



42.1827, 0.4850, 0.3857



42.1827, 0.4501, 0.4466

Triad

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



42.1827, 0.4850, 0.3857



42.1827, 0.2246, 0.4006



42.1827, 0.2302, 0.2013

Complementary

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



42.1827, 0.4850, 0.3857



48.6496, 0.2166, 0.2533

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.



42.1827, 0.1825, 0.2039



42.1827, 0.4850, 0.3857



42.1827, 0.1782, 0.3049

Square

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



42.1827, 0.4850, 0.3857



42.1827, 0.2988, 0.4772



42.1827, 0.1650, 0.2364



42.1827, 0.3068, 0.2237

Rectangle

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



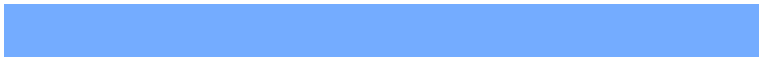
42.1827, 0.4850, 0.3857



42.1827, 0.4066, 0.4786



42.1827, 0.1650, 0.2364



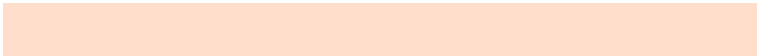
42.1827, 0.2109, 0.1992

Sweetspot

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



42.1849, 0.4850, 0.3857



77.7651, 0.3492, 0.3472



32.0153, 0.3809, 0.2224



16.0506, 0.3553, 0.3499



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.



42.1849, 0.4850, 0.3857



35.4841, 0.5324, 0.3869



76.7718, 0.4211, 0.4597



19.0249, 0.3286, 0.3374



15.1011, 0.5840, 0.3745



1.6659, 0.5622, 0.3918

Inverse Universe

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



48.6496, 0.2166, 0.2533



42.0933, 0.2035, 0.2346



21.2602, 0.1907, 0.1452



19.3506, 0.2980, 0.3205



18.2974, 0.1917, 0.2101



1.9865, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 42.1827, 0.4850, 0.3857 looks on a white background.

Color Contrast Check

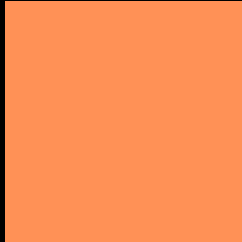
Large Text (above 18pt) WCAG AA × Fail

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 42.1827, 0.4850, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

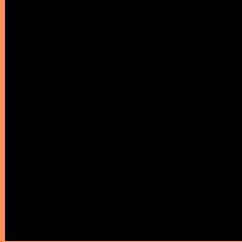
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1827, 0.4850, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 42.1827, 0.4850, 0.3857.



This preview shows how white text looks on a background with the Yxy color 42.1827, 0.4850, 0.3857.

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

42.1827, 0.4850, 0.3857

Protanopia

42.3231, 0.3958, 0.4297

Deuteranopia

42.3136, 0.4352, 0.4268



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.1827, 0.4850, 0.3857

Protanomaly

41.4142, 0.4292, 0.4128

Deuteranomaly

41.9012, 0.4545, 0.4102

Tritanomaly

42.1124, 0.4490, 0.3458

Monochromacy



Original Color

42.1827, 0.4850, 0.3857

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.2907, 0.3729, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1827, 0.4850, 0.3857 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, 145, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 86)  
}
```

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, 145, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 86) }
```

Border

The CSS property to change the border of an element to Yxy 42.1827, 0.4850, 0.3857 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, 145, 86) }
```

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

```
.border{ border-color:rgb(255, 145, 86) }
```

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

Here you see how a box with a 4 pixel rgb(255, 145, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1827, 0.4850, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 86) }
```

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

```
.background{ background-color: rgb(255,  
145, 86) }
```

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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