

Converting Colors

$Y_{xy}(40.1695, 0.4857, 0.3735)$

Have a look what the booklet for
Yxy(40.1695, 0.4857, 0.3735)
contains.

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Color

Yxy(40.2097, 0.4857, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A5C
RGB	255, 138, 92
RGB Percent	100%, 54%, 36%
CMY	0.0000, 0.4588, 0.6393
CMYK	0.00, 0.46, 0.64, 0.00
HSL	17°, 100%, 68%
HSV	17°, 64%, 100%
XYZ	52.2608, 40.2097, 15.1284
YIQ	167.7390, 84.4980, 10.4980

Conversions

Conversions Part 2

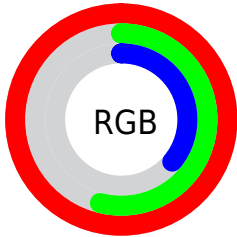
Format	Color
R _Y B	255, 156, 92
Decimal	16747100
CIE Lab	69.62, 40.58, 44.03
CIE LCh	70, 59.875, 47.339
Yxy	40.2097, 0.4857, 0.3737
Android (android.graphics.Color)	4294937180 (0xFFFF8A5C)
YUV	167.7390, -37.3393, 76.5279
Hunter-Lab	63.4111, 36.1427, 30.2426

Details

The Yxy color **40.2097, 0.4857, 0.3737** 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 **55.0855, 0.2227, 0.2711**, and the grayscale version is **39.1790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3831, 0.4053, 0.3812**, and **18.1749, 0.5316, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **35.0212, 0.5240, 0.3752**, and if you desaturate by 10%, it is **46.4360, 0.4484, 0.3691**.

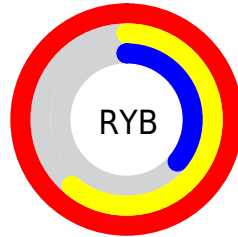
Distribution



Red (100%)

Green (54%)

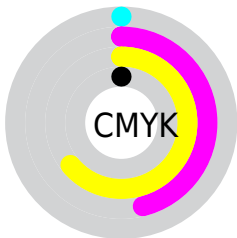
Blue (36%)



Red (100%)

Yellow (61%)

Blue (36%)

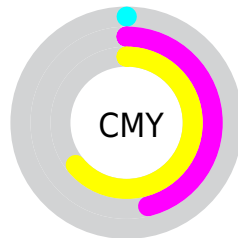


Cyan (0%)

Magenta (46%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (46%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2097, 0.4857, 0.3737 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 40.2097, 0.4857, 0.3737 by changing the saturation by 10% instead.


 40.2097, 0.4857,
0.3737


 40.2097, 0.4857,
0.3737


347.0066, 0.3983,
0.3583


 27.7021, 0.5066,
0.3748


 75.4827, 0.4544,
0.3700

 18.1012, 0.5324,
0.3747


 99.0169, 0.4424,
0.3681

 11.0227, 0.5645,
0.3715

 126.9955, 0.4323,
0.3661

 6.0821, 0.6069,
0.3637

 159.8027, 0.4235,
0.3643

 2.8951, 0.6576,
0.3424

197.8230, 0.4159,
0.3626

 1.0772, 0.7085,
0.2915

241.4409, 0.4093,

 0.0000, 1.0000,

0.3611

0.0000

291.0406, 0.4035,
0.3596

0.0000, 0.0000,
0.0000

40.2097, 0.4857,
0.3737

40.2097, 0.4857,
0.3737

35.0212, 0.5240,
0.3752

46.4360, 0.4484,
0.3691

30.8060, 0.5600,
0.3723

53.7505, 0.4143,
0.3624


27.4982, 0.5895,
0.3649

62.2053, 0.3844,
0.3548

25.8933, 0.6037,
0.3589

71.8477, 0.3588,
0.3468

82.7224, 0.3372,
0.3391

 94.8715, 0.3190,
0.3317

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.



40.2097, 0.4570, 0.3121



40.2097, 0.4857, 0.3737



40.2097, 0.4598, 0.4356

Triad

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



40.2097, 0.4857, 0.3737



40.2097, 0.2371, 0.4184



40.2097, 0.2190, 0.1999

Complementary

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



40.2097, 0.4857, 0.3737



55.0855, 0.2227, 0.2711

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.



40.2097, 0.1771, 0.2078



40.2097, 0.4857, 0.3737



40.2097, 0.1847, 0.3218

Square

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



40.2097, 0.4857, 0.3737



40.2097, 0.3145, 0.4844



40.2097, 0.1654, 0.2467



40.2097, 0.2905, 0.2179

Rectangle

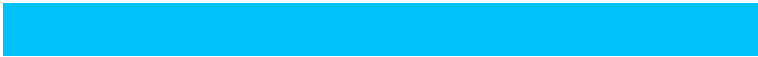
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.2097, 0.4857, 0.3737



40.2097, 0.4200, 0.4706



40.2097, 0.1654, 0.2467



40.2097, 0.2016, 0.1995

Sweetspot

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



40.2112, 0.4857, 0.3737



77.0491, 0.3477, 0.3430



33.6416, 0.3647, 0.2156



15.8375, 0.3540, 0.3452



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.



40.2112, 0.4857, 0.3737



33.6252, 0.5355, 0.3748



71.6393, 0.4249, 0.4478



18.8219, 0.3287, 0.3358



13.7464, 0.6008, 0.3612



1.5141, 0.5788, 0.3786

Inverse Universe

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



55.0855, 0.2227, 0.2711



49.2481, 0.2108, 0.2570



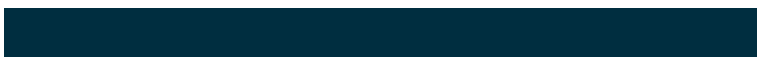
25.4658, 0.1979, 0.1655



19.5637, 0.2980, 0.3221



21.7375, 0.1984, 0.2342



2.3021, 0.2018, 0.2463

Previews

White Background



This preview shows how the Yxy color 40.2097, 0.4857, 0.3737 looks on a white background.

Color Contrast Check

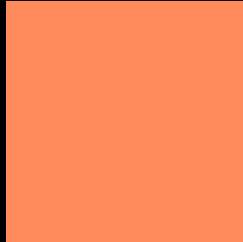
Large Text (above 18pt) WCAG AA × Fail

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 40.2097, 0.4857, 0.3737 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 40.2097, 0.4857, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 40.2097, 0.4857, 0.3737.



This preview shows how white text looks on a background with the Yxy color 40.2097, 0.4857, 0.3737.

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

40.2097, 0.4857, 0.3737

Protanopia

40.5644, 0.3853, 0.4189

Deuteranopia

40.2304, 0.4291, 0.4188



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.2097, 0.4857, 0.3737

Protanomaly

39.5653, 0.4214, 0.4011

Deuteranomaly

39.6725, 0.4501, 0.4008

Tritanomaly

40.0432, 0.4554, 0.3406

Monochromacy



Original Color

40.2097, 0.4857, 0.3737

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.2868, 0.3727, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2097, 0.4857, 0.3737 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, 138, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 92)  
}
```

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, 138, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 92) }
```

Border

The CSS property to change the border of an element to Yxy 40.2097, 0.4857, 0.3737 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, 138, 92) }
```

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

```
.border{ border-color:rgb(255, 138, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 138, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2097, 0.4857, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 92) }
```

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

```
.background{ background-color: rgb(255,  
138, 92) }
```

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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