

Converting Colors

$Y_{xy}(41.0251, 0.5003, 0.3997)$

Have a look what the booklet for
Yxy(41.0251, 0.5003, 0.3997)
contains.

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Color

Yxy(40.9092, 0.5009, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	FD8F41
RGB	253, 143, 65
RGB Percent	99%, 56%, 25%
CMY	0.0079, 0.4391, 0.7453
CMYK	0.00, 0.43, 0.74, 0.01
HSL	25°, 98%, 62%
HSV	25°, 74%, 99%
XYZ	51.2798, 40.9092, 10.1863
YIQ	166.9980, 90.5980, -0.9380

Conversions

Conversions Part 2

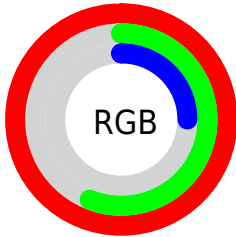
Format	Color
R_{YB}	253, 198, 65
Decimal	16617281
CIE Lab	70.11, 35.87, 57.68
CIE LCh	70, 67.921, 58.123
Yxy	40.9092, 0.5009, 0.3996
Android (android.graphics.Color)	4294807361 (0xFFFD8F41)
YUV	166.9980, -50.2850, 75.4238
Hunter-Lab	63.9603, 31.1809, 35.3297

Details

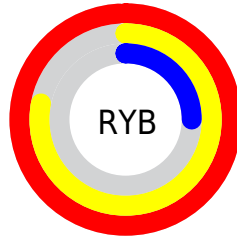
The Yxy color **40.9092, 0.5009, 0.3996** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **38.8406, 0.2040, 0.2250**, and the grayscale version is **38.8588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9325, 0.4221, 0.4109**, and **18.4425, 0.5453, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **36.5274, 0.5308, 0.3987**, and if you desaturate by 10%, it is **46.0124, 0.4691, 0.3956**.

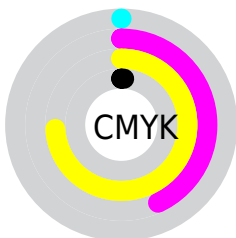
Distribution



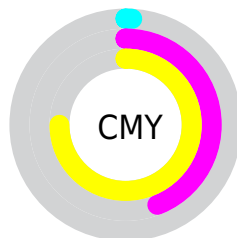
- Red (99%)
- Green (56%)
- Blue (25%)



- Red (99%)
- Yellow (78%)
- Blue (25%)



- Cyan (0%)
- Magenta (43%)
- Yellow (74%)
- Black (1%)




- Cyan (1%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9092, 0.5009, 0.3996 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 40.9092, 0.5009, 0.3996 by changing the saturation by 10% instead.


 40.9092, 0.5009,
0.3996


 40.9092, 0.5009,
0.3996


349.9410, 0.4088,
0.3745


 28.2481, 0.5213,
0.4017


 76.5460, 0.4690,
0.3934

 18.5128, 0.5453,
0.4020


 100.2906, 0.4565,
0.3902


 11.3188, 0.5734,
0.3984


 128.4985, 0.4457,
0.3871

 6.2817, 0.6099,
0.3901

 161.5540, 0.4363,
0.3842

 3.0171, 0.6391,
0.3609

 199.8416, 0.4281,
0.3815

 1.1407, 0.6855,
0.3145

243.7458, 0.4209,

 0.0124, 0.9862,

0.3790

0.0138

293.6507, 0.4145,
0.3766

■ 0.0000, 0.0000,
0.0000

■ 40.9092, 0.5009,
0.3996

■ 40.9092, 0.5009,
0.3996

■ 36.5274, 0.5308,
0.3987

■ 46.0124, 0.4691,
0.3956

■ 32.8186, 0.5562,
0.3923


■ 51.8675, 0.4376,
0.3880

■ 30.9903, 0.5686,
0.3868

■ 58.5105, 0.4081,
0.3780

■ 65.9727, 0.3813,
0.3669

■ 74.2835, 0.3577,
0.3554

 83.4706, 0.3372,
0.3442

 93.5605, 0.3196,
0.3334

99.6201, 0.3115,
0.3290

Harmonies

Analogous

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



40.9092, 0.4939, 0.3317



40.9092, 0.5009, 0.3996



40.9092, 0.4518, 0.4669

Triad

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



40.9092, 0.5009, 0.3996



40.9092, 0.2026, 0.3908



40.9092, 0.2330, 0.1913

Complementary

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



40.9092, 0.5009, 0.3996



38.8406, 0.2040, 0.2250

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.



40.9092, 0.1760, 0.1886



40.9092, 0.5009, 0.3996



40.9092, 0.1594, 0.2844

Square

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



40.9092, 0.5009, 0.3996



40.9092, 0.2797, 0.4884



40.9092, 0.1518, 0.2167



40.9092, 0.3222, 0.2198

Rectangle

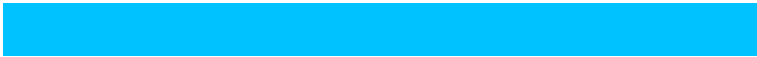
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9092, 0.5009, 0.3996



40.9092, 0.3998, 0.5015



40.9092, 0.1518, 0.2167



40.9092, 0.2102, 0.1873

Sweetspot

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



40.9114, 0.5009, 0.3996



77.7232, 0.3527, 0.3528



27.8599, 0.4098, 0.2265



16.1140, 0.3586, 0.3559



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.



40.9114, 0.5009, 0.3996



35.3308, 0.5434, 0.3963



80.2107, 0.4225, 0.4778



19.2260, 0.3284, 0.3389



16.7591, 0.5657, 0.3890



1.8413, 0.5453, 0.4052

Inverse Universe

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



38.8406, 0.2040, 0.2250



32.8788, 0.1911, 0.2012



14.5153, 0.1746, 0.1099



19.1431, 0.2979, 0.3189



15.3272, 0.1852, 0.1866



1.7081, 0.1901, 0.2044

Previews

White Background



This preview shows how the Yxy color 40.9092, 0.5009, 0.3996 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 40.9092, 0.5009, 0.3996 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 40.9092, 0.5009, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 40.9092, 0.5009, 0.3996.



This preview shows how white text looks on a background with the Yxy color 40.9092, 0.5009, 0.3996.

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

40.9092, 0.5009, 0.3996

Protanopia

41.0625, 0.4125, 0.4524

Deuteranopia

40.9572, 0.4521, 0.4418



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.9092, 0.5009, 0.3996

Protanomaly

40.2281, 0.4463, 0.4317

Deuteranomaly

40.7719, 0.4705, 0.4259

Tritanomaly

40.7970, 0.4605, 0.3528

Monochromacy



Original Color

40.9092, 0.5009, 0.3996

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.0712, 0.3802, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9092, 0.5009, 0.3996 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(253, 143, 65)` looks like.

```
.text, #text, p{  
    color:rgb(253, 143, 65)  
}
```

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(253, 143, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 143, 65) }
```

Border

The CSS property to change the border of an element to Yxy 40.9092, 0.5009, 0.3996 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(253, 143, 65) }
```

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

```
.border{ border-color:rgb(253, 143, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 143, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 143, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 143, 65);  
box-shadow:4px 4px 4px 4px rgb(253, 143,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9092, 0.5009, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 143, 65) }
```

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

```
.background{ background-color: rgb(253,  
143, 65) }
```

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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