

Converting Colors

Yxy(39.6427, 0.5152, 0.4010)

Have a look what the booklet for
Yxy(39.6427, 0.5152, 0.4010)
contains.

Yxy(39.6940, 0.5148, 0.4009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.6940, 0.5148, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A35
RGB	255, 138, 53
RGB Percent	100%, 54%, 21%
CMY	0.0000, 0.4588, 0.7920
CMYK	0.00, 0.46, 0.79, 0.00
HSL	25°, 100%, 60%
HSV	25°, 79%, 100%
XYZ	50.9715, 39.6940, 8.3467
YIQ	163.2930, 97.0170, -1.6310

Conversions

Conversions Part 2

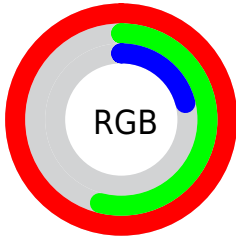
Format	Color
R _Y B	255, 200, 53
Decimal	16747061
CIE Lab	69.25, 38.76, 62.02
CIE LCh	69, 73.141, 57.996
Yxy	39.6940, 0.5148, 0.4009
Android (android.graphics.Color)	4294937141 (0xFFFF8A35)
YUV	163.2930, -54.3744, 80.4270
Hunter-Lab	63.0032, 34.1564, 36.2474

Details

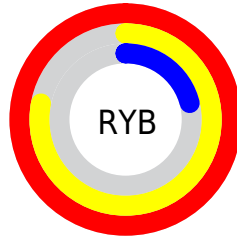
The Yxy color **39.6940, 0.5148, 0.4009** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **36.7354, 0.1988, 0.2154**, and the grayscale version is **37.0024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4405, 0.4329, 0.4159**, and **17.8620, 0.5563, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **35.5660, 0.5425, 0.3974**, and if you desaturate by 10%, it is **44.5274, 0.4839, 0.3991**.

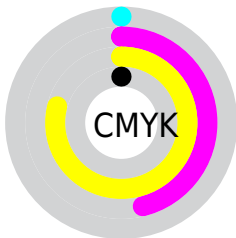
Distribution



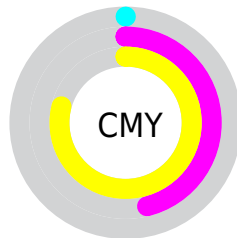
- Red (100%)
- Green (54%)
- Blue (21%)



- Red (100%)
- Yellow (78%)
- Blue (21%)



- Cyan (0%)
- Magenta (46%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (46%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6940, 0.5148, 0.4009 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 39.6940, 0.5148, 0.4009 by changing the saturation by 10% instead.

 39.6940, 0.5148,
0.4009


 39.6940, 0.5148,
0.4009


344.8321, 0.4166,
0.3772


 27.3000, 0.5359,
0.4019


 74.6973, 0.4812,
0.3959

 17.7987, 0.5604,
0.4002


 98.0755, 0.4679,
0.3929


 10.8056, 0.5904,
0.3951


 125.8838, 0.4563,
0.3899

 5.9362, 0.6208,
0.3792

 158.5067, 0.4463,
0.3871

 2.8063, 0.6527,
0.3473

 196.3286, 0.4375,
0.3843

 1.0315, 0.7033,
0.2967

 239.7339, 0.4297,

 0.0000, 1.0000,

0.3818

0.0000

289.1069, 0.4228,
0.3794

■ 0.0000, 0.0000,
0.0000

■ 39.6940, 0.5148,
0.4009

■ 39.6940, 0.5148,
0.4009

■ 35.5660, 0.5425,
0.3974

■ 44.5274, 0.4839,
0.3991

■ 32.0878, 0.5653,
0.3887

■ 50.0990, 0.4523,
0.3930

■ 31.8355, 0.5670,
0.3880

■ 56.4461, 0.4218,
0.3838

■ 63.6013, 0.3938,
0.3730

■ 71.5948, 0.3688,
0.3615

80.4552, 0.3468,
0.3499

90.2094, 0.3278,
0.3387

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



39.6940, 0.5090, 0.3295



39.6940, 0.5148, 0.4009



39.6940, 0.4602, 0.4742

Triad

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



39.6940, 0.5148, 0.4009



39.6940, 0.1938, 0.3966



39.6940, 0.2263, 0.1822

Complementary

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



39.6940, 0.5148, 0.4009



36.7354, 0.1988, 0.2154

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.



39.6940, 0.1666, 0.1790



39.6940, 0.5148, 0.4009



39.6940, 0.1488, 0.2796

Square

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



39.6940, 0.5148, 0.4009



39.6940, 0.2756, 0.5049



39.6940, 0.1414, 0.2079



39.6940, 0.3219, 0.2121

Rectangle

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



39.6940, 0.5148, 0.4009



39.6940, 0.4040, 0.5142



39.6940, 0.1414, 0.2079



39.6940, 0.2023, 0.1780

Sweetspot

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



39.6961, 0.5148, 0.4009



76.0963, 0.3570, 0.3554



26.7431, 0.4240, 0.2274



15.6226, 0.3650, 0.3596



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.



39.6961, 0.5148, 0.4009



33.4759, 0.5563, 0.3928



82.7641, 0.4245, 0.4846



19.2431, 0.3284, 0.3390



16.9148, 0.5642, 0.3903



1.8574, 0.5439, 0.4064

Inverse Universe

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



36.7354, 0.1988, 0.2154



30.1107, 0.1868, 0.1899



12.3406, 0.1671, 0.0950



19.1257, 0.2979, 0.3188



15.0942, 0.1846, 0.1847



1.6860, 0.1896, 0.2027

Previews

White Background



This preview shows how the Yxy color 39.6940, 0.5148, 0.4009 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 39.6940, 0.5148, 0.4009 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 39.6940, 0.5148, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 39.6940, 0.5148, 0.4009.



This preview shows how white text looks on a background with the Yxy color 39.6940, 0.5148, 0.4009.

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

39.6940, 0.5148, 0.4009

Protanopia

39.9161, 0.4189, 0.4615

Deuteranopia

39.8253, 0.4594, 0.4499



Tritanopia

39.6560, 0.4391, 0.3211

Trichromacy



Original Color

39.6940, 0.5148, 0.4009

Protanomaly

38.9156, 0.4551, 0.4378

Deuteranomaly

39.4898, 0.4799, 0.4315

Tritanomaly

39.3929, 0.4732, 0.3552

Monochromacy



Original Color

39.6940, 0.5148, 0.4009

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.2770, 0.3870, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6940, 0.5148, 0.4009 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 53) }
```

Border

The CSS property to change the border of an element to Yxy 39.6940, 0.5148, 0.4009 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, 53) }
```

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

```
.border{ border-color:rgb(255, 138, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6940, 0.5148, 0.4009 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, 53) }
```

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

```
.background{ background-color: rgb(255,  
138, 53) }
```

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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