

Converting Colors

$Y_{xy}(40.6369, 0.5128, 0.4054)$

Have a look what the booklet for
Yxy(40.6369, 0.5128, 0.4054)
contains.

Yxy(40.5400, 0.5133, 0.4053)	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(40.5400, 0.5133, 0.4053)

Conversions

Conversions Part 1	
Format	Color
Hex	FF8D32
RGB	255, 141, 50
RGB Percent	100%, 55%, 20%
CMY	0.0000, 0.4470, 0.8037
CMYK	0.00, 0.45, 0.80, 0.00
HSL	27°, 100%, 60%
HSV	27°, 80%, 100%
XYZ	51.3427, 40.5400, 8.1420
YIQ	164.7120, 97.1550, -4.1330

Conversions

Conversions Part 2

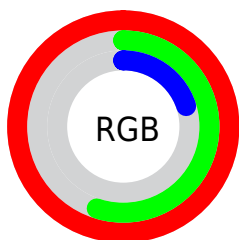
Format	Color
RYB	255, 214, 50
Decimal	16747826
CIELab	69.85, 37.15, 63.76
CIELCh	70, 73.797, 59.770
Yxy	40.5400, 0.5133, 0.4053
Android (android.graphics.Color)	4294937906 (0xFFFF8D32)
YUV	164.7120, -56.5530, 79.1826
Hunter-Lab	63.6710, 32.5135, 36.9879

Details

The Yxy color **40.5400, 0.5133, 0.4053** 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 **34.4675, 0.1959, 0.2068**, and the grayscale version is **37.7259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7191, 0.4328, 0.4211**, and **18.3512, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **36.4605, 0.5395, 0.4016**, and if you desaturate by 10%, it is **45.2805, 0.4838, 0.4036**.

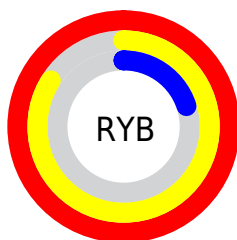
Distribution



Red (100%)

Green (55%)

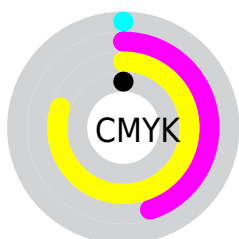
Blue (20%)



Red (100%)

Yellow (84%)

Blue (20%)

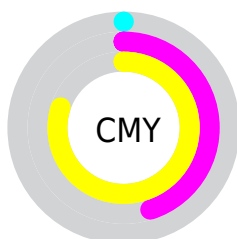


Cyan (0%)

Magenta (45%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5400, 0.5133, 0.4053 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 40.5400, 0.5133, 0.4053 by changing the saturation by 10% instead.


 40.5400, 0.5133,
0.4053


 40.5400, 0.5133,
0.4053


 348.3944, 0.4166,
0.3797


 27.9598, 0.5338,
0.4066


 75.9851, 0.4805,
0.3997


 18.2954, 0.5574,
0.4054


 99.6188, 0.4673,
0.3965

 11.1623, 0.5864,
0.4011


 127.7059, 0.4560,
0.3933

 6.1761, 0.6144,
0.3856

 160.6306, 0.4460,
0.3902

 2.9524, 0.6446,
0.3554

 198.7774, 0.4373,
0.3873

 1.1070, 0.6926,
0.3074

 242.5307, 0.4296,

 0.0000, 1.0000,

0.3846


0.0000

292.2749, 0.4228,
0.3821


 0.0000, 0.0000,
0.0000


 40.5400, 0.5133,
0.4053

 40.5400, 0.5133,
0.4053


 36.4605, 0.5395,
0.4016

 45.2805, 0.4838,
0.4036


 33.1068, 0.5603,
0.3933


 50.7146, 0.4533,
0.3974

 56.8767, 0.4235,
0.3880

 63.7971, 0.3959,
0.3767

 71.5040, 0.3710,
0.3646

 80.0241, 0.3490,
0.3524

 89.3824, 0.3299,
0.3406

99.6028, 0.3133,
0.3294

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.



40.5400, 0.5118, 0.3335



40.5400, 0.5133, 0.4053



40.5400, 0.4559, 0.4785

Triad

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



40.5400, 0.5133, 0.4053



40.5400, 0.1898, 0.3891



40.5400, 0.2309, 0.1830

Complementary

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



40.5400, 0.5133, 0.4053



34.4675, 0.1959, 0.2068

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.



40.5400, 0.1689, 0.1782



40.5400, 0.5133, 0.4053



40.5400, 0.1472, 0.2739

Square

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



40.5400, 0.5133, 0.4053



40.5400, 0.2700, 0.5009



40.5400, 0.1418, 0.2049



40.5400, 0.3284, 0.2145

Rectangle

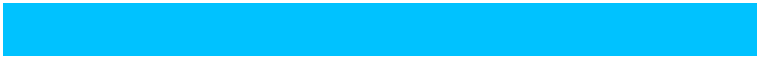
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5400, 0.5133, 0.4053



40.5400, 0.3986, 0.5171



40.5400, 0.1418, 0.2049



40.5400, 0.2061, 0.1783

Sweetspot

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



40.5415, 0.5133, 0.4053



76.8375, 0.3566, 0.3568



26.3057, 0.4314, 0.2303



15.7993, 0.3645, 0.3612



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.



40.5415, 0.5133, 0.4053



34.4373, 0.5520, 0.3971



84.6009, 0.4230, 0.4877



19.3139, 0.3283, 0.3396



17.5858, 0.5575, 0.3955



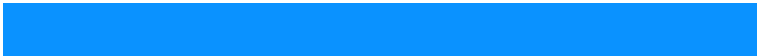
1.9260, 0.5379, 0.4111

Inverse Universe

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



34.4675, 0.1959, 0.2068



27.9556, 0.1840, 0.1804



11.5341, 0.1649, 0.0898



19.0535, 0.2979, 0.3182



14.1586, 0.1824, 0.1766



1.5966, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 40.5400, 0.5133, 0.4053 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 40.5400, 0.5133, 0.4053 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 40.5400, 0.5133, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 40.5400, 0.5133, 0.4053.



This preview shows how white text looks on a background with the Yxy color 40.5400, 0.5133, 0.4053.

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

40.5400, 0.5133, 0.4053

Protanopia

40.5077, 0.4222, 0.4645

Deuteranopia

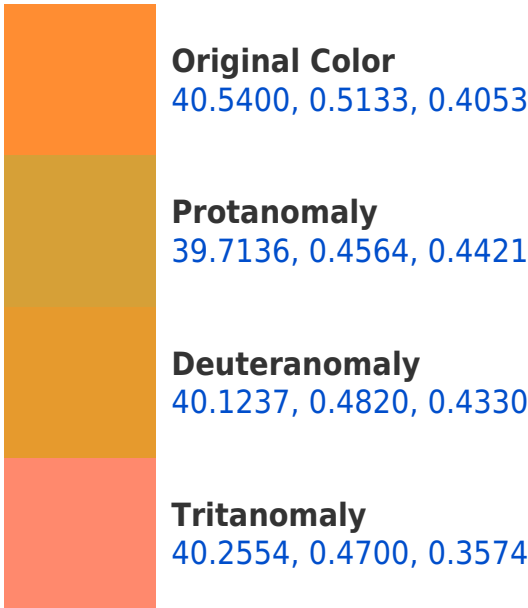
40.4549, 0.4614, 0.4513



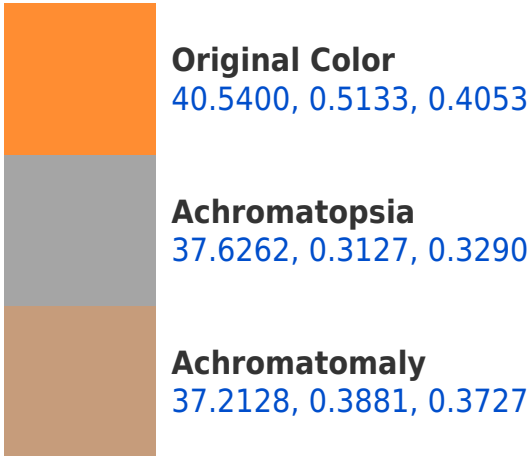
Tritanopia

40.5711, 0.4342, 0.3211

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5400, 0.5133, 0.4053 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, 141, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 50)  
}
```

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, 141, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 50) }
```

Border

The CSS property to change the border of an element to Yxy 40.5400, 0.5133, 0.4053 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, 141, 50) }
```

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

```
.border{ border-color:rgb(255, 141, 50) }
```

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

Here you see how a box with a 4 pixel rgb(255, 141, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5400, 0.5133, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 50) }
```

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

```
.background{ background-color: rgb(255,  
141, 50) }
```

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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