

Converting Colors

Yxy(49.5536, 0.4917, 0.4384)

Have a look what the booklet for
Yxy(49.5536, 0.4917, 0.4384)
contains.

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Color

Yxy(49.7349, 0.4911, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	FFA91F
RGB	255, 169, 31
RGB Percent	100%, 66%, 12%
CMY	0.0000, 0.3372, 0.8786
CMYK	0.00, 0.34, 0.88, 0.00
HSL	37°, 100%, 56%
HSV	37°, 88%, 100%
XYZ	55.6754, 49.7349, 7.9585
YIQ	178.9820, 95.5540, -24.6860

Conversions

Conversions Part 2

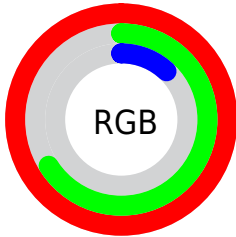
Format	Color
RYB	171, 255, 31
Decimal	16754975
CIELab	75.91, 22.21, 74.84
CIElCh	76, 78.063, 73.472
Yxy	49.7349, 0.4911, 0.4387
Android (android.graphics.Color)	4294945055 (0xFFFFA91F)
YUV	178.9820, -72.9551, 66.6678
Hunter-Lab	70.5230, 17.5043, 42.6752

Details

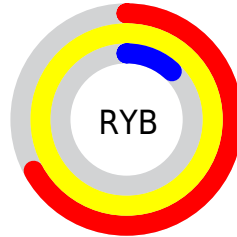
The Yxy color **49.7349, 0.4911, 0.4387** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **20.2225, 0.1754, 0.1420**, and the grayscale version is **45.4267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3616, 0.4198, 0.4528**, and **23.9290, 0.5094, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **46.1437, 0.5063, 0.4350**, and if you desaturate by 10%, it is **53.7079, 0.4724, 0.4371**.

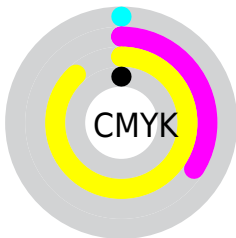
Distribution



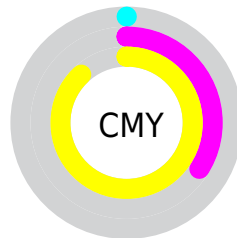
- Red (100%)
- Green (66%)
- Blue (12%)



- Red (67%)
- Yellow (100%)
- Blue (12%)



- Cyan (0%)
- Magenta (34%)
- Yellow (88%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7349, 0.4911, 0.4387 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 49.7349, 0.4911, 0.4387 by changing the saturation by 10% instead.


 49.7349, 0.4911,
0.4387

 49.7349, 0.4911,
0.4387


385.6283, 0.4111,
0.3978


 35.2028, 0.5063,
0.4436


 89.7820, 0.4654,
0.4278

 23.8191, 0.5228,
0.4469

 116.0657, 0.4547,
0.4225

 15.1995, 0.5422,
0.4489


 147.0355, 0.4452,
0.4175

 8.9595, 0.5580,
0.4420

 183.0757, 0.4368,
0.4129

 4.7148, 0.5737,
0.4263

 224.5707, 0.4293,
0.4086

 2.0809, 0.5983,
0.4017

 271.9048, 0.4225,

 0.6539, 0.6485,

0.4047

0.3515

325.4626, 0.4165,
0.4011

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7349, 0.4911,
0.4387

■ 49.7349, 0.4911,
0.4387

■ 46.1437, 0.5063,
0.4350

■ 53.7079, 0.4724,
0.4371

■ 45.4157, 0.5093,
0.4338

■ 58.0843, 0.4511,
0.4305

■ 62.8887, 0.4283,
0.4196

■ 68.1410, 0.4053,
0.4057

73.8589, 0.3829,
0.3900

80.0590, 0.3619,
0.3736

86.7566, 0.3426,
0.3571

93.9661, 0.3251,
0.3410

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.



49.7349, 0.5192, 0.3658



49.7349, 0.4911, 0.4387



49.7349, 0.4170, 0.5052

Triad

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



49.7349, 0.4911, 0.4387



49.7349, 0.1668, 0.3322



49.7349, 0.2721, 0.1955

Complementary

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



49.7349, 0.4911, 0.4387



20.2225, 0.1754, 0.1420

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.



49.7349, 0.1938, 0.1782



49.7349, 0.4911, 0.4387



49.7349, 0.1420, 0.2374

Square

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



49.7349, 0.4911, 0.4387



49.7349, 0.2306, 0.4547



49.7349, 0.1516, 0.1896



49.7349, 0.3793, 0.2375

Rectangle

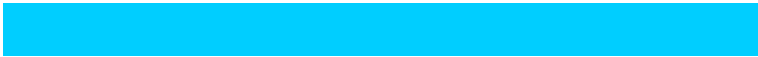
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7349, 0.4911, 0.4387



49.7349, 0.3551, 0.5275



49.7349, 0.1516, 0.1896



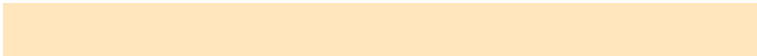
49.7349, 0.2419, 0.1868

Sweetspot

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



49.7372, 0.4911, 0.4387



81.2657, 0.3582, 0.3705



23.6080, 0.5080, 0.2656



16.9158, 0.3652, 0.3762



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.



49.7372, 0.4911, 0.4387



45.4157, 0.5093, 0.4338



88.8744, 0.4013, 0.5133



19.8510, 0.3279, 0.3436



24.0286, 0.5074, 0.4353



2.5512, 0.4946, 0.4454

Inverse Universe

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



20.2225, 0.1754, 0.1420



15.9323, 0.1662, 0.1182



8.9647, 0.1611, 0.0721



18.5207, 0.2979, 0.3139



8.5914, 0.1670, 0.1212



1.0401, 0.1732, 0.1436

Previews

White Background



This preview shows how the Yxy color 49.7349, 0.4911, 0.4387 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 49.7349, 0.4911, 0.4387 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 49.7349, 0.4911, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 49.7349, 0.4911, 0.4387.



This preview shows how white text looks on a background with the Yxy color 49.7349, 0.4911, 0.4387.

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

49.7349, 0.4911, 0.4387

Protanopia

49.9427, 0.4341, 0.4800

Deuteranopia

49.9113, 0.4691, 0.4590



Tritanopia

49.6900, 0.3934, 0.3187

Trichromacy



Original Color

49.7349, 0.4911, 0.4387

Protanomaly

49.4941, 0.4553, 0.4648

Deuteranomaly

49.9722, 0.4773, 0.4514

Tritanomaly

49.1670, 0.4411, 0.3745

Monochromacy



Original Color

49.7349, 0.4911, 0.4387

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4060, 0.3860, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7349, 0.4911, 0.4387 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, 169, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 31)  
}
```

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, 169, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 31) }
```

Border

The CSS property to change the border of an element to Yxy 49.7349, 0.4911, 0.4387 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, 169, 31) }
```

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

```
.border{ border-color:rgb(255, 169, 31) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7349, 0.4911, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 31) }
```

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

```
.background{ background-color: rgb(255,  
169, 31) }
```

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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