

Converting Colors

$Y_{xy}(49.3089, 0.4949, 0.4409)$

Have a look what the booklet for
Yxy(49.3089, 0.4949, 0.4409)
contains.

Yxy(49.3089, 0.4949, 0.4409)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3089, 0.4949, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	FFA812
RGB	255, 168, 18
RGB Percent	100%, 66%, 7%
CMY	0.0001, 0.3411, 0.9287
CMYK	0.00, 0.34, 0.93, 0.00
HSL	38°, 100%, 54%
HSV	38°, 93%, 100%
XYZ	55.3481, 49.3089, 7.1799
YIQ	176.9130, 100.0020, -28.2060

Conversions

Conversions Part 2

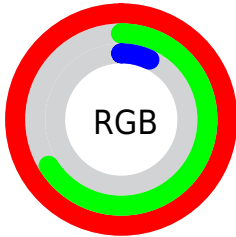
Format	Color
RYB	155, 255, 18
Decimal	16754706
CIELab	75.64, 22.52, 77.20
CIELCh	76, 80.422, 73.738
Yxy	49.3089, 0.4949, 0.4409
Android (android.graphics.Color)	4294944786 (0xFFFFA812)
YUV	176.9130, -78.3441, 68.4823
Hunter-Lab	70.2203, 17.8093, 43.0919

Details

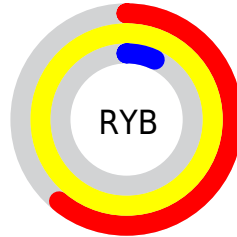
The Yxy color **49.3089, 0.4949, 0.4409** is a dark color, and the websafe version is hex **FF9900**, and the color name is **dark tangerine**. The color can be described as middle washed orange. A complement of this color would be **17.4822, 0.1698, 0.1271**, and the grayscale version is **44.3106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7072, 0.4237, 0.4567**, and **23.6972, 0.5108, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **46.8646, 0.5046, 0.4376**, and if you desaturate by 10%, it is **53.0302, 0.4787, 0.4417**.

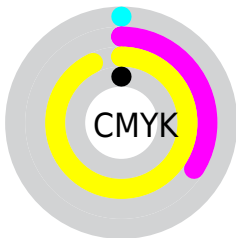
Distribution



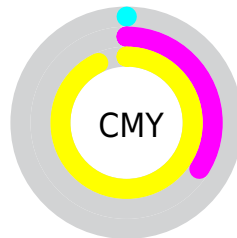
- Red (100%)
- Green (66%)
- Blue (7%)



- Red (61%)
- Yellow (100%)
- Blue (7%)



- Cyan (0%)
- Magenta (34%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3089, 0.4949, 0.4409 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 49.3089, 0.4949, 0.4409 by changing the saturation by 10% instead.


 49.3089, 0.4949,
0.4409


 49.3089, 0.4949,
0.4409


383.9571, 0.4138,
0.3999


 34.8646, 0.5099,
0.4454


 89.1501, 0.4691,
0.4303


 23.5586, 0.5261,
0.4482


 115.3157, 0.4583,
0.4250


 15.0065, 0.5465,
0.4504


 146.1572, 0.4486,
0.4200

 8.8239, 0.5593,
0.4407

 182.0591, 0.4401,
0.4153

 4.6265, 0.5754,
0.4246

 223.4056, 0.4324,
0.4110

 2.0298, 0.6005,
0.3995

 270.5811, 0.4256,

 0.6247, 0.6540,

0.4070

0.3460

323.9702, 0.4194,
0.4033

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3089, 0.4949,
0.4409

■ 49.3089, 0.4949,
0.4409

■ 46.8646, 0.5046,
0.4376

■ 53.0302, 0.4787,
0.4417

■ 57.1202, 0.4594,
0.4371

■ 61.6053, 0.4379,
0.4279

■ 66.5056, 0.4155,
0.4150

71.8392, 0.3932,
0.3998

77.6225, 0.3718,
0.3832

83.8707, 0.3518,
0.3662

90.5982, 0.3336,
0.3495

97.8183, 0.3171,
0.3334

Harmonies

Analogous

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



49.3089, 0.5253, 0.3662



49.3089, 0.4949, 0.4409



49.3089, 0.4180, 0.5102

Triad

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



49.3089, 0.4949, 0.4409



49.3089, 0.1623, 0.3307



49.3089, 0.2715, 0.1924

Complementary

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



49.3089, 0.4949, 0.4409



17.4822, 0.1698, 0.1271

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.



49.3089, 0.1912, 0.1745



49.3089, 0.4949, 0.4409



49.3089, 0.1378, 0.2336

Square

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



49.3089, 0.4949, 0.4409



49.3089, 0.2269, 0.4584



49.3089, 0.1479, 0.1856



49.3089, 0.3823, 0.2354

Rectangle

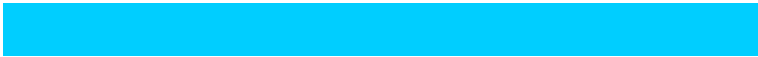
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.3089, 0.4949, 0.4409



49.3089, 0.3542, 0.5342



49.3089, 0.1479, 0.1856



49.3089, 0.2405, 0.1835

Sweetspot

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



49.3114, 0.4949, 0.4409



80.6198, 0.3619, 0.3749



22.7981, 0.5293, 0.2729



16.6887, 0.3706, 0.3823



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.



49.3114, 0.4949, 0.4409



46.8722, 0.5046, 0.4376



87.9411, 0.3989, 0.5186



19.9032, 0.3278, 0.3440



24.7866, 0.5028, 0.4390



2.6221, 0.4907, 0.4486

Inverse Universe

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



17.4822, 0.1698, 0.1271



15.1633, 0.1649, 0.1135



8.2336, 0.1579, 0.0671



18.4701, 0.2979, 0.3135



8.1827, 0.1657, 0.1165



0.9966, 0.1720, 0.1390

Previews

White Background



This preview shows how the Yxy color 49.3089, 0.4949, 0.4409 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 49.3089, 0.4949, 0.4409 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 49.3089, 0.4949, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 49.3089, 0.4949, 0.4409.



This preview shows how white text looks on a background with the Yxy color 49.3089, 0.4949, 0.4409.

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

49.3089, 0.4949, 0.4409

Protanopia

49.4597, 0.4377, 0.4831

Deuteranopia

49.2771, 0.4727, 0.4629



Tritanopia

49.3039, 0.3947, 0.3187

Trichromacy



Original Color

49.3089, 0.4949, 0.4409

Protanomaly

49.0353, 0.4589, 0.4673

Deuteranomaly

49.3421, 0.4807, 0.4550

Tritanomaly

48.6922, 0.4462, 0.3783

Monochromacy



Original Color

49.3089, 0.4949, 0.4409

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5831, 0.3897, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3089, 0.4949, 0.4409 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, 168, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 18)  
}
```

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, 168, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 18) }
```

Border

The CSS property to change the border of an element to Yxy 49.3089, 0.4949, 0.4409 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, 168, 18) }
```

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

```
.border{ border-color:rgb(255, 168, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3089, 0.4949, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 18) }
```

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

```
.background{ background-color: rgb(255,  
168, 18) }
```

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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