

Converting Colors

$Y_{xy}(49.3762, 0.4969, 0.4437)$

Have a look what the booklet for
Yxy(49.3762, 0.4969, 0.4437)
contains.

| | |
|---|----|
| Yxy(49.2653, 0.4972, 0.4434) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(49.2653, 0.4972, 0.4434)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FFA800 |
| RGB | 255, 168, 0 |
| RGB Percent | 100%, 66%, 0% |
| CMY | 0.0000, 0.3411, 0.9996 |
| CMYK | 0.00, 0.34, 1.00, 0.00 |
| HSL | 40°, 100%, 50% |
| HSV | 40°, 100%, 100% |
| XYZ | 55.2429, 49.2653, 6.5998 |
| YIQ | 174.8610, 105.7800, -33.8040 |

Conversions

Conversions Part 2

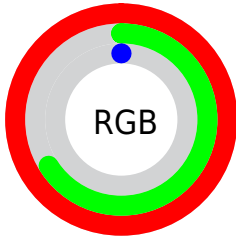
| Format | Color |
|-------------------------------------|---|
| RYB | 132, 255, 0 |
| Decimal | 16754688 |
| CIELab | 75.62, 22.37, 79.40 |
| CIElCh | 76, 82.487, 74.263 |
| Yxy | 49.2653, 0.4972, 0.4434 |
| Android (android.graphics.Color) | 4294944768 (0xFFFFA800) |
| YUV | 174.8610, -86.2065, 70.2819 |
| Hunter-Lab | 70.1892, 17.6584, 43.5575 |

Details

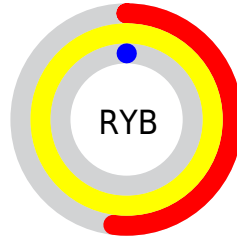
The Yxy color **49.2653, 0.4972, 0.4434** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **14.0512, 0.1630, 0.1067**, and the grayscale version is **43.2151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6145, 0.4263, 0.4605**, and **23.6972, 0.5108, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **49.2555, 0.4972, 0.4434**, and if you desaturate by 10%, it is **52.6622, 0.4844, 0.4468**.

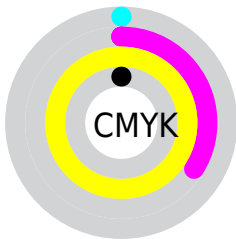
Distribution



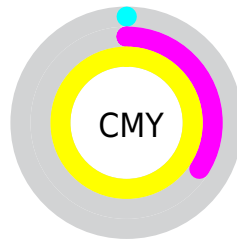
- Red (100%)
- Green (66%)
- Blue (0%)



- Red (52%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2653, 0.4972, 0.4434 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 49.2653, 0.4972, 0.4434 by changing the saturation by 10% instead.


 49.2653, 0.4972,
0.4434


 49.2653, 0.4972,
0.4434


383.7858, 0.4159,
0.4021

 34.8300, 0.5120,
0.4477


 89.0854, 0.4716,
0.4329


 23.5319, 0.5277,
0.4500


 115.2389, 0.4607,
0.4276


 14.9868, 0.5478,
0.4522


 146.0673, 0.4510,
0.4225

 8.8101, 0.5589,
0.4411

 181.9549, 0.4424,
0.4178

 4.6175, 0.5749,
0.4251

 223.2862, 0.4347,
0.4134

 2.0247, 0.5999,
0.4001

 270.4455, 0.4277,

 0.6217, 0.6536,

0.4093

0.3464

323.8172, 0.4215,
0.4055

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2653, 0.4972,
0.4434

■ 49.2653, 0.4972,
0.4434

■ 49.2555, 0.4972,
0.4434

■ 52.6622, 0.4844,
0.4468

■ 56.3702, 0.4684,
0.4455

■ 60.4244, 0.4495,
0.4390

■ 64.8464, 0.4288,
0.4281

69.6546, 0.4072,
0.4139

74.8657, 0.3858,
0.3976

80.4948, 0.3653,
0.3802

86.5558, 0.3461,
0.3626

93.0621, 0.3285,
0.3454

Harmonies

Analogous

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



49.2653, 0.5302, 0.3672



49.2653, 0.4972, 0.4434



49.2653, 0.4176, 0.5148

Triad

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



49.2653, 0.4972, 0.4434



49.2653, 0.1582, 0.3281



49.2653, 0.2721, 0.1903

Complementary

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



49.2653, 0.4972, 0.4434



14.0512, 0.1630, 0.1067

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.



49.2653, 0.1897, 0.1717



49.2653, 0.4972, 0.4434



49.2653, 0.1344, 0.2299

Square

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



49.2653, 0.4972, 0.4434



49.2653, 0.2230, 0.4601



49.2653, 0.1453, 0.1821



49.2653, 0.3859, 0.2344

Rectangle

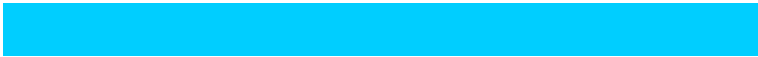
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2653, 0.4972, 0.4434



49.2653, 0.3524, 0.5397



49.2653, 0.1453, 0.1821



49.2653, 0.2403, 0.1811

Sweetspot

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



49.2678, 0.4972, 0.4434



80.4736, 0.3653, 0.3803



21.9884, 0.5625, 0.2873



16.7057, 0.3738, 0.3876



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.



49.2678, 0.4972, 0.4434



49.2561, 0.4972, 0.4434



86.2349, 0.3926, 0.5265



19.9854, 0.3278, 0.3446



26.0257, 0.4956, 0.4447



2.7371, 0.4846, 0.4534

Inverse Universe

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



14.0512, 0.1630, 0.1067



14.0404, 0.1630, 0.1066



7.6404, 0.1551, 0.0628



18.3911, 0.2979, 0.3129



7.5841, 0.1638, 0.1096



0.9319, 0.1700, 0.1319

Previews

White Background



This preview shows how the Yxy color 49.2653, 0.4972, 0.4434 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 49.2653, 0.4972, 0.4434 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 49.2653, 0.4972, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 49.2653, 0.4972, 0.4434.



This preview shows how white text looks on a background with the Yxy color 49.2653, 0.4972, 0.4434.

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

49.2653, 0.4972, 0.4434

Protanopia

49.4300, 0.4391, 0.4852

Deuteranopia

49.2771, 0.4727, 0.4629



Tritanopia

49.3039, 0.3947, 0.3187

Trichromacy



Original Color

49.2653, 0.4972, 0.4434

Protanomaly

48.9976, 0.4608, 0.4698

Deuteranomaly

49.3268, 0.4815, 0.4559

Tritanomaly

48.5371, 0.4523, 0.3848

Monochromacy



Original Color

49.2653, 0.4972, 0.4434

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.4901, 0.3967, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2653, 0.4972, 0.4434 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.2653, 0.4972, 0.4434 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, 0) }
```

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

```
.border{ border-color:rgb(255, 168, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2653, 0.4972, 0.4434 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
168, 0) }
```

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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