

Converting Colors

$Y_{xy}(47.4913, 0.4992, 0.4418)$

Have a look what the booklet for
Yxy(47.4913, 0.4992, 0.4418)
contains.

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Color

Yxy(47.2464, 0.4994, 0.4417)

Conversions

Conversions Part 1

Format	Color
Hex	FCA400
RGB	252, 164, 0
RGB Percent	99%, 64%, 0%
CMY	0.0118, 0.3568, 1.0000
CMYK	0.00, 0.35, 1.00, 0.01
HSL	39°, 100%, 49%
HSV	39°, 100%, 99%
XYZ	53.4183, 47.2464, 6.3002
YIQ	171.6160, 105.0920, -32.3480

Conversions

Conversions Part 2

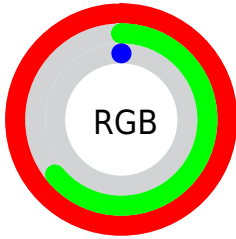
Format	Color
RYB	135, 252, 0
Decimal	16557056
CIELab	74.35, 23.20, 78.41
CIELCh	74, 81.774, 73.521
Yxy	47.2464, 0.4994, 0.4417
Android (android.graphics.Color)	4294747136 (0xFFFC400)
YUV	171.6160, -84.6067, 70.4968
Hunter-Lab	68.7360, 18.4335, 42.6808

Details

The Yxy color **47.2464, 0.4994, 0.4417** 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 **14.0044, 0.1636, 0.1088**, and the grayscale version is **41.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4875, 0.4295, 0.4580**, and **22.4072, 0.5140, 0.4301** is the 20% darker color. If you saturate the color by 10%, you get **47.2491, 0.4994, 0.4417**, and if you desaturate by 10%, it is **50.5793, 0.4862, 0.4453**.

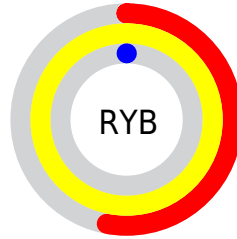
Distribution



Red (99%)

Green (64%)

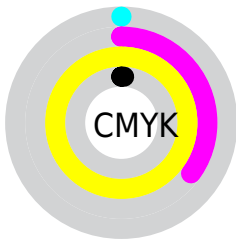
Blue (0%)



Red (53%)

Yellow (99%)

Blue (0%)

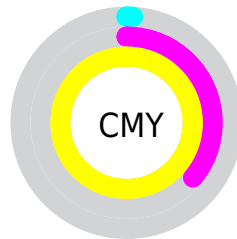


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2464, 0.4994, 0.4417 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 47.2464, 0.4994, 0.4417 by changing the saturation by 10% instead.


 47.2464, 0.4994,
0.4417

 47.2464, 0.4994,
0.4417


375.7972, 0.4163,
0.4010


 33.2305, 0.5146,
0.4457


 86.0813, 0.4731,
0.4315


 22.3031, 0.5308,
0.4477

 111.6691, 0.4620,
0.4263

 14.0798, 0.5512,
0.4488


 141.8829, 0.4521,
0.4213

 8.1762, 0.5631,
0.4369

 177.1073, 0.4433,
0.4166

 4.2079, 0.5805,
0.4195

 217.7265, 0.4354,
0.4123

 1.7905, 0.6080,
0.3920

 264.1249, 0.4284,

 0.4813, 0.6830,

0.4082

0.3170

316.6870, 0.4221,
0.4045

■ 0.0000, 0.0000,
0.0000

■ 47.2464, 0.4994,
0.4417

■ 47.2464, 0.4994,
0.4417

■ 47.2491, 0.4994,
0.4417

■ 50.5793, 0.4862,
0.4453

■ 54.2233, 0.4699,
0.4441

■ 58.2134, 0.4507,
0.4377

■ 62.5706, 0.4296,
0.4270

■ 67.3134, 0.4077,
0.4130

■ 72.4579, 0.3861,
0.3968

■ 78.0192, 0.3655,
0.3796

■ 84.0113, 0.3462,
0.3623

■ 90.4470, 0.3286,
0.3452

Harmonies

Analogous

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



47.2464, 0.5312, 0.3653



47.2464, 0.4994, 0.4417



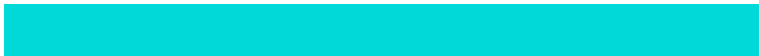
47.2464, 0.4202, 0.5141

Triad

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



47.2464, 0.4994, 0.4417



47.2464, 0.1586, 0.3311



47.2464, 0.2694, 0.1890

Complementary

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



47.2464, 0.4994, 0.4417



14.0044, 0.1636, 0.1088

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.



47.2464, 0.1876, 0.1710



47.2464, 0.4994, 0.4417



47.2464, 0.1338, 0.2311

Square

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



47.2464, 0.4994, 0.4417



47.2464, 0.2246, 0.4639



47.2464, 0.1440, 0.1821



47.2464, 0.3833, 0.2326

Rectangle

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



47.2464, 0.4994, 0.4417



47.2464, 0.3549, 0.5405



47.2464, 0.1440, 0.1821



47.2464, 0.2377, 0.1800

Sweetspot

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



47.2491, 0.4994, 0.4417



80.1412, 0.3655, 0.3797



21.4021, 0.5625, 0.2872



16.6263, 0.3741, 0.3870



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.



47.2491, 0.4994, 0.4417



48.5207, 0.4994, 0.4416



83.9421, 0.3926, 0.5265



19.1109, 0.3278, 0.3444



24.9008, 0.4977, 0.4430



2.5048, 0.4859, 0.4524

Inverse Universe

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



14.0044, 0.1636, 0.1088



14.3701, 0.1635, 0.1087



7.4361, 0.1551, 0.0628



17.6342, 0.2979, 0.3131



7.5440, 0.1644, 0.1118



0.8890, 0.1709, 0.1354

Previews

White Background



This preview shows how the Yxy color 47.2464, 0.4994, 0.4417 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 47.2464, 0.4994, 0.4417 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 47.2464, 0.4994, 0.4417

Background



This preview shows how black text looks on a background with the Yxy color 47.2464, 0.4994, 0.4417.



This preview shows how white text looks on a background with the Yxy color 47.2464, 0.4994, 0.4417.

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

47.2464, 0.4994, 0.4417

Protanopia

47.5868, 0.4385, 0.4855

Deuteranopia

47.4279, 0.4726, 0.4630



Tritanopia

47.0878, 0.4020, 0.3177

Trichromacy



Original Color

47.2464, 0.4994, 0.4417

Protanomaly

47.1564, 0.4605, 0.4699

Deuteranomaly

47.1002, 0.4827, 0.4549

Tritanomaly

46.5445, 0.4576, 0.3827

Monochromacy



Original Color

47.2464, 0.4994, 0.4417

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.8976, 0.3971, 0.4055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2464, 0.4994, 0.4417 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(252, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 164, 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(252, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.2464, 0.4994, 0.4417 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(252, 164, 0) }
```

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

```
.border{ border-color:rgb(252, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2464, 0.4994, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 164, 0) }
```

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

```
.background{ background-color: rgb(252,  
164, 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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