

Converting Colors

$Y_{xy}(44.9227, 0.5070, 0.4357)$

Have a look what the booklet for
Yxy(44.9227, 0.5070, 0.4357)
contains.

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Color

Yxy(44.8094, 0.5073, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	FC9D00
RGB	252, 157, 0
RGB Percent	99%, 62%, 0%
CMY	0.0117, 0.3843, 1.0000
CMYK	0.00, 0.38, 1.00, 0.01
HSL	37°, 100%, 49%
HSV	37°, 100%, 99%
XYZ	52.2090, 44.8094, 5.8971
YIQ	167.5070, 107.0170, -28.6870

Conversions

Conversions Part 2

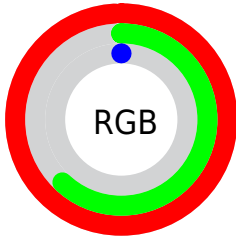
Format	Color
RYB	152, 252, 0
Decimal	16555264
CIELab	72.77, 26.87, 77.38
CIELCh	73, 81.909, 70.848
Yxy	44.8094, 0.5073, 0.4354
Android (android.graphics.Color)	4294745344 (0xFFFC9D00)
YUV	167.5070, -82.5810, 74.1004
Hunter-Lab	66.9398, 22.0745, 41.6347

Details

The Yxy color **44.8094, 0.5073, 0.4354** 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 **15.2210, 0.1657, 0.1164**, and the grayscale version is **39.2781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8970, 0.4350, 0.4530**, and **20.9220, 0.5247, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **44.8113, 0.5073, 0.4354**, and if you desaturate by 10%, it is **48.2245, 0.4929, 0.4397**.

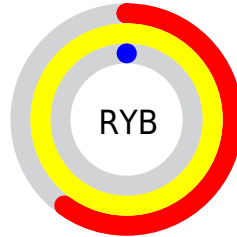
Distribution



Red (99%)

Green (62%)

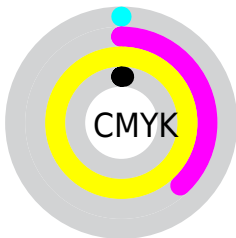
Blue (0%)



Red (60%)

Yellow (99%)

Blue (0%)

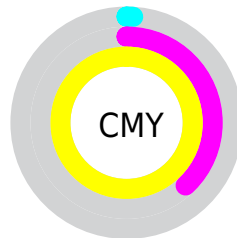


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8094, 0.5073, 0.4354 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 44.8094, 0.5073, 0.4354 by changing the saturation by 10% instead.


 44.8094, 0.5073,
0.4354


 44.8094, 0.5073,
0.4354


366.0011, 0.4195,
0.3983


 31.3073, 0.5236,
0.4384


 82.4343, 0.4793,
0.4266


 20.8330, 0.5411,
0.4388


 107.3260, 0.4675,
0.4219


 13.0020, 0.5626,
0.4374


 136.7829, 0.4571,
0.4173

 7.4299, 0.5769,
0.4231

 171.1896, 0.4478,
0.4129

 3.7324, 0.5979,
0.4021

 210.9303, 0.4395,
0.4089


 1.5250, 0.6313,
0.3687


 256.3895, 0.4322,


 0.3062, 0.7565,


0.4051


0.2435

 307.9517, 0.4255,
0.4015


 0.0000, 0.0000,
0.0000


 44.8094, 0.5073,
0.4354


 44.8094, 0.5073,
0.4354


 44.8113, 0.5073,
0.4354

 48.2245, 0.4929,
0.4397

 51.9846, 0.4753,
0.4391

 56.1255, 0.4548,
0.4333

 60.6694, 0.4325,
0.4231

 65.6356, 0.4096,
0.4096

■ 71.0417, 0.3873,
0.3941

■ 76.9036, 0.3661,
0.3776

■ 83.2362, 0.3465,
0.3609

■ 90.0533, 0.3287,
0.3446

Harmonies

Analogous

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



44.8094, 0.5344, 0.3584



44.8094, 0.5073, 0.4354



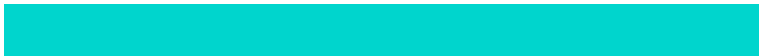
44.8094, 0.4294, 0.5111

Triad

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



44.8094, 0.5073, 0.4354



44.8094, 0.1603, 0.3424



44.8094, 0.2595, 0.1843

Complementary

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



44.8094, 0.5073, 0.4354



15.2210, 0.1657, 0.1164

Split Complementary

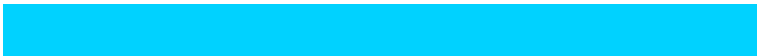
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.8094, 0.1802, 0.1685



44.8094, 0.5073, 0.4354



44.8094, 0.1320, 0.2359

Square

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



44.8094, 0.5073, 0.4354



44.8094, 0.2306, 0.4779



44.8094, 0.1394, 0.1825



44.8094, 0.3736, 0.2262

Rectangle

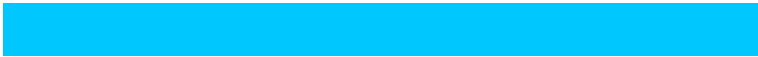
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.8094, 0.5073, 0.4354



44.8094, 0.3639, 0.5427



44.8094, 0.1394, 0.1825



44.8094, 0.2285, 0.1759

Sweetspot

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



44.8117, 0.5073, 0.4354



78.9705, 0.3661, 0.3776



21.5562, 0.5493, 0.2800



16.3470, 0.3749, 0.3847



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.



44.8117, 0.5073, 0.4354



46.0026, 0.5074, 0.4354



85.2653, 0.3986, 0.5217



19.0266, 0.3278, 0.3437



23.6303, 0.5054, 0.4369



2.3925, 0.4924, 0.4473

Inverse Universe

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



15.2210, 0.1657, 0.1164



15.6143, 0.1656, 0.1163



7.2972, 0.1534, 0.0619



17.7155, 0.2979, 0.3138



8.1874, 0.1665, 0.1194



0.9550, 0.1731, 0.1430

Previews

White Background



This preview shows how the Yxy color 44.8094, 0.5073, 0.4354 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 44.8094, 0.5073, 0.4354 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 44.8094, 0.5073, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 44.8094, 0.5073, 0.4354.



This preview shows how white text looks on a background with the Yxy color 44.8094, 0.5073, 0.4354.

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

44.8094, 0.5073, 0.4354

Protanopia

44.8404, 0.4387, 0.4847

Deuteranopia

44.9182, 0.4719, 0.4635



Tritanopia

44.9084, 0.4117, 0.3188

Trichromacy



Original Color

44.8094, 0.5073, 0.4354

Protanomaly

44.3656, 0.4643, 0.4667

Deuteranomaly

44.5724, 0.4850, 0.4531

Tritanomaly

44.1436, 0.4664, 0.3792

Monochromacy



Original Color

44.8094, 0.5073, 0.4354

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7546, 0.3999, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8094, 0.5073, 0.4354 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, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 157, 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, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.8094, 0.5073, 0.4354 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, 157, 0) }
```

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

```
.border{ border-color:rgb(252, 157, 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, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8094, 0.5073, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 157, 0) }
```

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

```
.background{ background-color: rgb(252,  
157, 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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