

Converting Colors

$Y_{xy}(42.4892, 0.5153, 0.4211)$

Have a look what the booklet for
Yxy(42.4892, 0.5153, 0.4211)
contains.

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Color

Yxy(42.5144, 0.5152, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	FF941A
RGB	255, 148, 26
RGB Percent	100%, 58%, 10%
CMY	0.0000, 0.4197, 0.8979
CMYK	0.00, 0.42, 0.90, 0.00
HSL	32°, 100%, 55%
HSV	32°, 90%, 100%
XYZ	52.0271, 42.5144, 6.4428
YIQ	166.0850, 102.9340, -15.2580

Conversions

Conversions Part 2

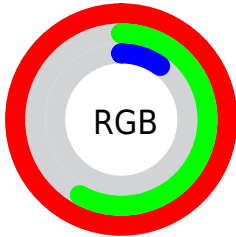
Format	Color
R_{YB}	227, 255, 26
Decimal	16749594
CIE Lab	71.22, 33.04, 72.45
CIE LCh	71, 79.631, 65.483
Yxy	42.5144, 0.5152, 0.4210
Android (android.graphics.Color)	4294939674 (0xFFFF941A)
YUV	166.0850, -69.0619, 77.9785
Hunter-Lab	65.2031, 28.3242, 39.7836

Details

The Yxy color **42.5144, 0.5152, 0.4210** 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 **24.2285, 0.1804, 0.1626**, and the grayscale version is **38.4762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6600, 0.4373, 0.4396**, and **19.4421, 0.5403, 0.4092** is the 20% darker color. If you saturate the color by 10%, you get **38.8880, 0.5335, 0.4145**, and if you desaturate by 10%, it is **46.6115, 0.4931, 0.4224**.

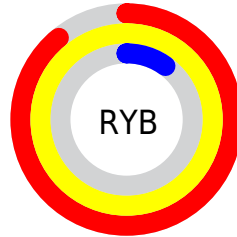
Distribution



Red (100%)

Green (58%)

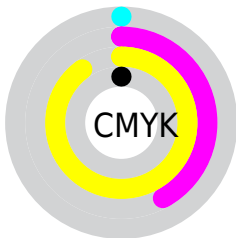
Blue (10%)



Red (89%)

Yellow (100%)

Blue (10%)

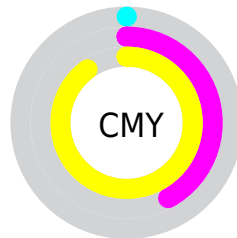


Cyan (0%)

Magenta (42%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5144, 0.5152, 0.4210 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 42.5144, 0.5152, 0.4210 by changing the saturation by 10% instead.


 42.5144, 0.5152,
0.4210


 42.5144, 0.5152,
0.4210


356.6109, 0.4211,
0.3902

 29.5043, 0.5337,
0.4227


 78.9776, 0.4843,
0.4142

 19.4626, 0.5541,
0.4217


 103.1994, 0.4717,
0.4104


 12.0050, 0.5809,
0.4191


 131.9273, 0.4605,
0.4065

 6.7471, 0.5988,
0.4012

 165.5456, 0.4507,
0.4028

 3.3045, 0.6250,
0.3750

 204.4387, 0.4420,
0.3993

 1.2927, 0.6667,
0.3333

 248.9910, 0.4343,

 0.1355, 0.8739,

0.3961

0.1261

299.5870, 0.4273,
0.3930

■ 0.0000, 0.0000,
0.0000

■ 42.5144, 0.5152,
0.4210

■ 42.5144, 0.5152,
0.4210

■ 38.8880, 0.5335,
0.4145

■ 46.6115, 0.4931,
0.4224

■ 38.8167, 0.5339,
0.4143

■ 51.2331, 0.4680,
0.4185

■ 56.4026, 0.4417,
0.4101

■ 62.1448, 0.4155,
0.3985

■ 68.4827, 0.3906,
0.3850

75.4372, 0.3677,
0.3706

83.0282, 0.3470,
0.3561

91.2743, 0.3286,
0.3421

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.



42.5144, 0.5294, 0.3456



42.5144, 0.5152, 0.4210



42.5144, 0.4449, 0.4977

Triad

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



42.5144, 0.5152, 0.4210



42.5144, 0.1711, 0.3663



42.5144, 0.2430, 0.1806

Complementary

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



42.5144, 0.5152, 0.4210



24.2285, 0.1804, 0.1626

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.



42.5144, 0.1715, 0.1699



42.5144, 0.5152, 0.4210



42.5144, 0.1356, 0.2518

Square

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



42.5144, 0.5152, 0.4210



42.5144, 0.2479, 0.4957



42.5144, 0.1370, 0.1900



42.5144, 0.3515, 0.2179

Rectangle

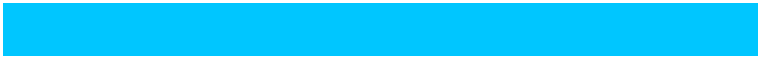
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5144, 0.5152, 0.4210



42.5144, 0.3819, 0.5352



42.5144, 0.1370, 0.1900



42.5144, 0.2147, 0.1739

Sweetspot

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



42.5095, 0.5152, 0.4210



77.4910, 0.3617, 0.3665



23.7978, 0.4822, 0.2489



16.0499, 0.3690, 0.3715



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.



42.5095, 0.5152, 0.4210



38.8167, 0.5339, 0.4143



92.1381, 0.4149, 0.5043



19.5891, 0.3281, 0.3417



20.5845, 0.5315, 0.4162



2.2231, 0.5152, 0.4291

Inverse Universe

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



24.2285, 0.1804, 0.1626



20.4573, 0.1733, 0.1437



8.2340, 0.1549, 0.0673



18.7774, 0.2979, 0.3160



10.9820, 0.1741, 0.1467



1.2856, 0.1800, 0.1680

Previews

White Background



This preview shows how the Yxy color 42.5144, 0.5152, 0.4210 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 42.5144, 0.5152, 0.4210 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 42.5144, 0.5152, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 42.5144, 0.5152, 0.4210.



This preview shows how white text looks on a background with the Yxy color 42.5144, 0.5152, 0.4210.

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

42.5144, 0.5152, 0.4210

Protanopia

42.6458, 0.4342, 0.4792

Deuteranopia

42.6446, 0.4721, 0.4633



Tritanopia

42.5118, 0.4235, 0.3199

Trichromacy



Original Color

42.5144, 0.5152, 0.4210

Protanomaly

41.9146, 0.4649, 0.4572

Deuteranomaly

42.1396, 0.4891, 0.4475

Tritanomaly

42.2264, 0.4688, 0.3682

Monochromacy



Original Color

42.5144, 0.5152, 0.4210

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.0398, 0.3944, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5144, 0.5152, 0.4210 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, 148, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 26)  
}
```

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, 148, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 26) }
```

Border

The CSS property to change the border of an element to Yxy 42.5144, 0.5152, 0.4210 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, 148, 26) }
```

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

```
.border{ border-color:rgb(255, 148, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5144, 0.5152, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 26) }
```

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

```
.background{ background-color: rgb(255,  
148, 26) }
```

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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