

Converting Colors

$Y_{xy}(42.7301, 0.5186, 0.4264)$

Have a look what the booklet for
Yxy(42.7301, 0.5186, 0.4264)
contains.

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Color

Yxy(42.7549, 0.5186, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	FF9500
RGB	255, 149, 0
RGB Percent	100%, 58%, 0%
CMY	0.0000, 0.4157, 1.0000
CMYK	0.00, 0.42, 1.00, 0.00
HSL	35°, 100%, 50%
HSV	35°, 100%, 100%
XYZ	51.9876, 42.7549, 5.5035
YIQ	163.7080, 111.0050, -23.8670

Conversions

Conversions Part 2

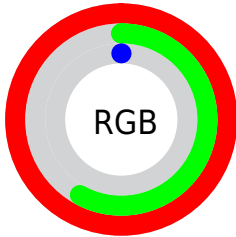
Format	Color
R_{YB}	181, 255, 0
Decimal	16749824
CIE Lab	71.39, 32.23, 76.72
CIE LCh	71, 83.218, 67.212
Yxy	42.7549, 0.5186, 0.4265
Android (android.graphics.Color)	4294939904 (0xFFFF9500)
YUV	163.7080, -80.7080, 80.0631
Hunter-Lab	65.3872, 27.4927, 40.7807

Details

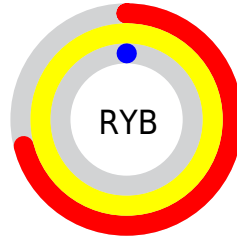
The Yxy color **42.7549, 0.5186, 0.4265** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **17.5267, 0.1688, 0.1275**, and the grayscale version is **37.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9675, 0.4420, 0.4477**, and **19.6258, 0.5387, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **42.7570, 0.5185, 0.4265**, and if you desaturate by 10%, it is **46.3376, 0.5025, 0.4318**.

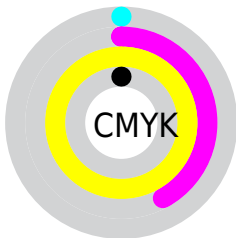
Distribution



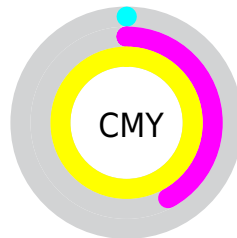
- Red (100%)
- Green (58%)
- Blue (0%)



- Red (71%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7549, 0.5186, 0.4265 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 42.7549, 0.5186, 0.4265 by changing the saturation by 10% instead.


 42.7549, 0.5186,
0.4265


 42.7549, 0.5186,
0.4265


357.6028, 0.4246,
0.3947


 29.6929, 0.5363,
0.4279


 79.3409, 0.4883,
0.4198

 19.6056, 0.5556,
0.4263


 103.6336, 0.4757,
0.4159


 12.1087, 0.5785,
0.4215


 132.4386, 0.4646,
0.4119


 6.8177, 0.5960,
0.4040

 166.1404, 0.4547,
0.4080

 3.3484, 0.6216,
0.3784

 205.1233, 0.4459,
0.4044


 1.3162, 0.6623,
0.3377


 249.7718, 0.4380,


 0.1537, 0.8590,


0.4009


0.1410


 300.4701, 0.4310,
0.3977


 0.0000, 0.0000,
0.0000


 42.7549, 0.5186,
0.4265


 42.7549, 0.5186,
0.4265


 42.7570, 0.5185,
0.4265

 46.3376, 0.5025,
0.4318

 50.3255, 0.4830,
0.4321

 54.7571, 0.4606,
0.4272

 59.6574, 0.4366,
0.4177

 65.0480, 0.4124,
0.4051

70.9487, 0.3889,
0.3904

77.3778, 0.3670,
0.3748

84.3522, 0.3469,
0.3590

91.8879, 0.3288,
0.3436

Harmonies

Analogous

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



42.7549, 0.5391, 0.3488



42.7549, 0.5186, 0.4265



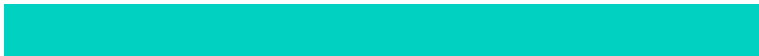
42.7549, 0.4425, 0.5065

Triad

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



42.7549, 0.5186, 0.4265



42.7549, 0.1625, 0.3592



42.7549, 0.2457, 0.1775

Complementary

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



42.7549, 0.5186, 0.4265



17.5267, 0.1688, 0.1275

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.



42.7549, 0.1700, 0.1647



42.7549, 0.5186, 0.4265



42.7549, 0.1292, 0.2429

Square

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



42.7549, 0.5186, 0.4265



42.7549, 0.2389, 0.4978



42.7549, 0.1329, 0.1828



42.7549, 0.3599, 0.2171

Rectangle

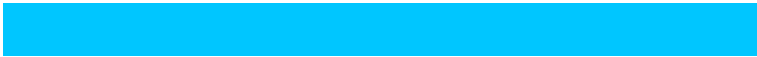
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.7549, 0.5186, 0.4265



42.7549, 0.3765, 0.5453



42.7549, 0.1329, 0.1828



42.7549, 0.2158, 0.1701

Sweetspot

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



42.7570, 0.5185, 0.4265



77.3778, 0.3670, 0.3748



22.3058, 0.5357, 0.2725



15.9678, 0.3760, 0.3814



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.



42.7570, 0.5185, 0.4265



88.9701, 0.4045, 0.5170



19.7509, 0.3280, 0.3429



22.6431, 0.5165, 0.4281



2.4205, 0.5023, 0.4393

Inverse Universe

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



17.5267, 0.1688, 0.1275



7.3822, 0.1520, 0.0611



18.6182, 0.2979, 0.3147



9.4363, 0.1696, 0.1305



1.1284, 0.1758, 0.1527

Previews

White Background



This preview shows how the Yxy color 42.7549, 0.5186, 0.4265 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 42.7549, 0.5186, 0.4265 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 42.7549, 0.5186, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 42.7549, 0.5186, 0.4265.



This preview shows how white text looks on a background with the Yxy color 42.7549, 0.5186, 0.4265.

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

42.7549, 0.5186, 0.4265

Protanopia

43.1069, 0.4376, 0.4845

Deuteranopia

42.8020, 0.4730, 0.4626



Tritanopia

42.8404, 0.4219, 0.3199

Trichromacy



Original Color

42.7549, 0.5186, 0.4265

Protanomaly

42.3616, 0.4687, 0.4626

Deuteranomaly

42.6340, 0.4899, 0.4492

Tritanomaly

42.3553, 0.4764, 0.3773

Monochromacy



Original Color

42.7549, 0.5186, 0.4265

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6661, 0.4036, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7549, 0.5186, 0.4265 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, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 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, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.7549, 0.5186, 0.4265 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, 149, 0) }
```

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

```
.border{ border-color:rgb(255, 149, 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, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 42.7549, 0.5186, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 0) }
```

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

```
.background{ background-color: rgb(255,  
149, 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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