

Converting Colors

Yxy(42.1436, 0.5153, 0.4290)

Have a look what the booklet for
Yxy(42.1436, 0.5153, 0.4290)
contains.

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Color

Yxy(42.0041, 0.5157, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	FB9500
RGB	251, 149, 0
RGB Percent	98%, 58%, 0%
CMY	0.0157, 0.4156, 0.9995
CMYK	0.00, 0.41, 1.00, 0.02
HSL	36°, 100%, 49%
HSV	36°, 100%, 98%
XYZ	50.5284, 42.0041, 5.4477
YIQ	162.5120, 108.6210, -24.7150

Conversions

Conversions Part 2

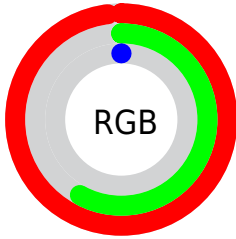
Format	Color
R_{YB}	172, 251, 0
Decimal	16487680
CIE Lab	70.87, 30.59, 76.09
CIE LCh	71, 82.004, 68.099
Yxy	42.0041, 0.5157, 0.4287
Android (android.graphics.Color)	4294677760 (0xFFFB9500)
YUV	162.5120, -80.1184, 77.6040
Hunter-Lab	64.8106, 25.7458, 40.3837

Details

The Yxy color **42.0041, 0.5157, 0.4287** 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 **16.4872, 0.1681, 0.1250**, and the grayscale version is **36.7386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9675, 0.4420, 0.4477**, and **19.4267, 0.5346, 0.4137** is the 20% darker color. If you saturate the color by 10%, you get **41.9899, 0.5158, 0.4287**, and if you desaturate by 10%, it is **45.4487, 0.5000, 0.4337**.

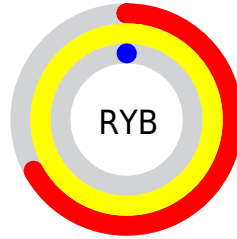
Distribution



Red (98%)

Green (58%)

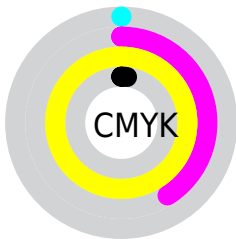
Blue (0%)



Red (67%)

Yellow (98%)

Blue (0%)

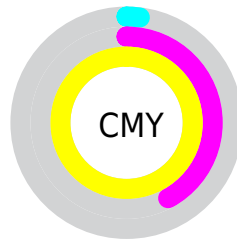


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0041, 0.5157, 0.4287 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 42.0041, 0.5157, 0.4287 by changing the saturation by 10% instead.


 42.0041, 0.5157,
0.4287


 42.0041, 0.5157,
0.4287


354.4999, 0.4228,
0.3953


 29.1045, 0.5333,
0.4305


 78.2058, 0.4857,
0.4214


 19.1599, 0.5524,
0.4294


 102.2768, 0.4733,
0.4172


 11.7859, 0.5749,
0.4251


 130.8402, 0.4622,
0.4130

 6.5980, 0.5920,
0.4080

 164.2807, 0.4524,
0.4090

 3.2120, 0.6171,
0.3829

 202.9825, 0.4437,
0.4052

 1.2434, 0.6575,
0.3425


 247.3300, 0.4360,


 0.0967, 0.8966,


0.4017


0.1034


 297.7077, 0.4290,
0.3984


 0.0000, 0.0000,
0.0000


 42.0041, 0.5157,
0.4287


 42.0041, 0.5157,
0.4287


 41.9899, 0.5158,
0.4287

 45.4487, 0.5000,
0.4337

 49.2718, 0.4809,
0.4338

 53.5103, 0.4590,
0.4286

 58.1875, 0.4354,
0.4189

 63.3239, 0.4115,
0.4060

■ 68.9380, 0.3884,
0.3912

■ 75.0470, 0.3666,
0.3753

■ 81.6666, 0.3467,
0.3593

■ 88.8119, 0.3287,
0.3438

Harmonies

Analogous

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



42.0041, 0.5378, 0.3512



42.0041, 0.5157, 0.4287



42.0041, 0.4392, 0.5077

Triad

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



42.0041, 0.5157, 0.4287



42.0041, 0.1621, 0.3549



42.0041, 0.2491, 0.1792

Complementary

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



42.0041, 0.5157, 0.4287



16.4872, 0.1681, 0.1250

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.



42.0041, 0.1726, 0.1657



42.0041, 0.5157, 0.4287



42.0041, 0.1300, 0.2412

Square

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



42.0041, 0.5157, 0.4287



42.0041, 0.2369, 0.4927



42.0041, 0.1346, 0.1828



42.0041, 0.3633, 0.2194

Rectangle

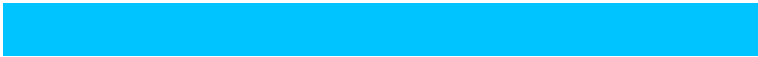
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0041, 0.5157, 0.4287



42.0041, 0.3734, 0.5446



42.0041, 0.1346, 0.1828



42.0041, 0.2190, 0.1716

Sweetspot

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



42.0063, 0.5157, 0.4287



77.7538, 0.3668, 0.3754



21.5223, 0.5354, 0.2723



16.0572, 0.3757, 0.3822



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.



42.0063, 0.5157, 0.4287



43.5042, 0.5159, 0.4286



85.8231, 0.4045, 0.5170



18.9381, 0.3279, 0.3431



22.3677, 0.5137, 0.4303



2.2798, 0.4994, 0.4417

Inverse Universe

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



16.4872, 0.1681, 0.1250



17.0514, 0.1680, 0.1247



7.1267, 0.1521, 0.0611



17.8015, 0.2979, 0.3145



8.9277, 0.1689, 0.1279



1.0291, 0.1754, 0.1513

Previews

White Background



This preview shows how the Yxy color 42.0041, 0.5157, 0.4287 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 42.0041, 0.5157, 0.4287 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 42.0041, 0.5157, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 42.0041, 0.5157, 0.4287.



This preview shows how white text looks on a background with the Yxy color 42.0041, 0.5157, 0.4287.

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

42.0041, 0.5157, 0.4287

Protanopia

42.0549, 0.4380, 0.4845

Deuteranopia

42.1259, 0.4724, 0.4631



Tritanopia

41.8952, 0.4255, 0.3189

Trichromacy



Original Color

42.0041, 0.5157, 0.4287

Protanomaly

41.5357, 0.4673, 0.4639

Deuteranomaly

41.7852, 0.4886, 0.4502

Tritanomaly

41.5420, 0.4781, 0.3764

Monochromacy



Original Color

42.0041, 0.5157, 0.4287

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.0553, 0.4022, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0041, 0.5157, 0.4287 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(251, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.0041, 0.5157, 0.4287 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(251, 149, 0) }
```

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

```
.border{ border-color:rgb(251, 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(251, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 149,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0041, 0.5157, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 149, 0) }
```

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

```
.background{ background-color: rgb(251,  
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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