

Converting Colors

Yxy(40.1914, 0.5251, 0.4208)

Have a look what the booklet for
Yxy(40.1914, 0.5251, 0.4208)
contains.

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Color

Yxy(40.2330, 0.5250, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	FD8E02
RGB	253, 142, 2
RGB Percent	99%, 56%, 1%
CMY	0.0078, 0.4431, 0.9915
CMYK	0.00, 0.44, 0.99, 0.01
HSL	33°, 98%, 50%
HSV	33°, 99%, 99%
XYZ	50.1956, 40.2330, 5.1821
YIQ	159.2290, 111.0960, -20.0080

Conversions

Conversions Part 2

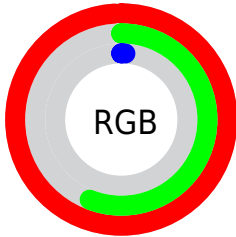
Format	Color
RYB	201, 253, 2
Decimal	16616962
CIELab	69.64, 35.04, 75.17
CIELCh	70, 82.932, 65.010
Yxy	40.2330, 0.5250, 0.4208
Android (android.graphics.Color)	4294807042 (0xFFFD8E02)
YUV	159.2290, -77.5139, 82.2372
Hunter-Lab	63.4295, 30.2564, 39.5567

Details

The Yxy color **40.2330, 0.5250, 0.4208** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **18.9570, 0.1716, 0.1374**, and the grayscale version is **35.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2617, 0.4483, 0.4410**, and **18.1311, 0.5479, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **39.9459, 0.5264, 0.4202**, and if you desaturate by 10%, it is **43.8127, 0.5076, 0.4265**.

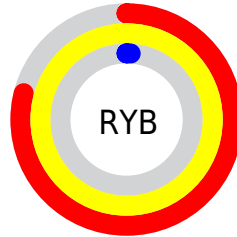
Distribution



Red (99%)

Green (56%)

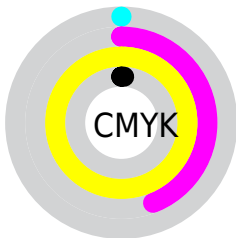
Blue (1%)



Red (79%)

Yellow (99%)

Blue (1%)

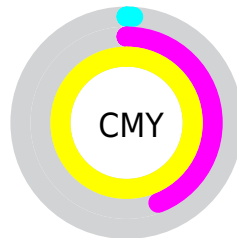


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (1%)



Cyan (1%)


Magenta (44%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2330, 0.5250, 0.4208 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 40.2330, 0.5250, 0.4208 by changing the saturation by 10% instead.


 40.2330, 0.5250,
0.4208


 40.2330, 0.5250,
0.4208


347.1047, 0.4267,
0.3920

 27.7203, 0.5439,
0.4213


 75.5182, 0.4931,
0.4153


 18.1149, 0.5647,
0.4185


 99.0594, 0.4798,
0.4118

 11.0325, 0.5886,
0.4114


 127.0456, 0.4682,
0.4081

 6.0887, 0.6085,
0.3915

 159.8611, 0.4578,
0.4045

 2.8991, 0.6377,
0.3623

 197.8904, 0.4487,
0.4011

 1.0793, 0.6847,
0.3153

 241.5178, 0.4405,


 0.0000, 1.0000,

0.3979


0.0000

 291.1278, 0.4333,
0.3948


 0.0000, 0.0000,
0.0000


 40.2330, 0.5250,
0.4208


 40.2330, 0.5250,
0.4208

 39.9459, 0.5264,
0.4202

 43.8127, 0.5076,
0.4265

 47.8315, 0.4864,
0.4270

 52.3261, 0.4625,
0.4221

 57.3220, 0.4373,
0.4129

 62.8421, 0.4121,
0.4006

68.9071, 0.3880,
0.3864

75.5360, 0.3657,
0.3714

82.7468, 0.3455,
0.3564

90.5564, 0.3274,
0.3417

Harmonies

Analogous

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



40.2330, 0.5409, 0.3429



40.2330, 0.5250, 0.4208



40.2330, 0.4504, 0.5029

Triad

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



40.2330, 0.5250, 0.4208



40.2330, 0.1645, 0.3702



40.2330, 0.2375, 0.1737

Complementary

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



40.2330, 0.5250, 0.4208



18.9570, 0.1716, 0.1374

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.



40.2330, 0.1642, 0.1629



40.2330, 0.5250, 0.4208



40.2330, 0.1280, 0.2479

Square

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



40.2330, 0.5250, 0.4208



40.2330, 0.2445, 0.5094



40.2330, 0.1294, 0.1836



40.2330, 0.3512, 0.2119

Rectangle

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



40.2330, 0.5250, 0.4208



40.2330, 0.3843, 0.5454



40.2330, 0.1294, 0.1836



40.2330, 0.2083, 0.1670

Sweetspot

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



40.2352, 0.5250, 0.4208



76.2838, 0.3676, 0.3728



22.1706, 0.5193, 0.2639



15.7080, 0.3768, 0.3791



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.



40.2352, 0.5250, 0.4208



40.6503, 0.5265, 0.4202



88.8690, 0.4104, 0.5120



19.6667, 0.3280, 0.3423



21.5434, 0.5242, 0.4219



2.3155, 0.5090, 0.4341

Inverse Universe

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



18.9570, 0.1716, 0.1374



18.9971, 0.1711, 0.1357



7.2387, 0.1514, 0.0610



18.7009, 0.2979, 0.3154



10.2128, 0.1719, 0.1388



1.2080, 0.1780, 0.1606

Previews

White Background



This preview shows how the Yxy color 40.2330, 0.5250, 0.4208 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 40.2330, 0.5250, 0.4208 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 40.2330, 0.5250, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 40.2330, 0.5250, 0.4208.



This preview shows how white text looks on a background with the Yxy color 40.2330, 0.5250, 0.4208.

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

40.2330, 0.5250, 0.4208

Protanopia

40.3828, 0.4371, 0.4845

Deuteranopia

40.4396, 0.4723, 0.4632



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.2330, 0.5250, 0.4208

Protanomaly

39.4695, 0.4709, 0.4602

Deuteranomaly

40.1029, 0.4916, 0.4476

Tritanomaly

39.7349, 0.4857, 0.3729

Monochromacy



Original Color

40.2330, 0.5250, 0.4208

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.0792, 0.4052, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2330, 0.5250, 0.4208 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(253, 142, 2)` looks like.

```
.text, #text, p{  
  color:rgb(253, 142, 2)  
}
```

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(253, 142, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 142, 2) }
```

Border

The CSS property to change the border of an element to Yxy 40.2330, 0.5250, 0.4208 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(253, 142, 2) }
```

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

```
.border{ border-color:rgb(253, 142, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 142, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 142, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 142, 2);  
box-shadow:4px 4px 4px 4px rgb(253, 142,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2330, 0.5250, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 142, 2) }
```

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

```
.background{ background-color: rgb(253,  
142, 2) }
```

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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