

Converting Colors

$Y_{xy}(41.2817, 0.5236, 0.4216)$

Have a look what the booklet for
Yxy(41.2817, 0.5236, 0.4216)
contains.

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Color

Yxy(41.2131, 0.5239, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	FF9003
RGB	255, 144, 3
RGB Percent	100%, 56%, 1%
CMY	0.0001, 0.4352, 0.9885
CMYK	0.00, 0.44, 0.99, 0.00
HSL	34°, 100%, 51%
HSV	34°, 99%, 100%
XYZ	51.2255, 41.2131, 5.3386
YIQ	161.1150, 111.4170, -20.3190

Conversions

Conversions Part 2

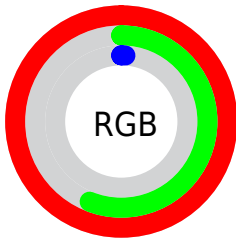
Format	Color
R_{YB}	201, 255, 3
Decimal	16748547
CIE _{Lab}	70.32, 34.81, 75.63
CIE _{LCh}	70, 83.260, 65.288
Yxy	41.2131, 0.5239, 0.4215
Android (android.graphics.Color)	4294938627 (0xFFFF9003)
YUV	161.1150, -77.9507, 82.3371
Hunter-Lab	64.1974, 30.0862, 40.0077

Details

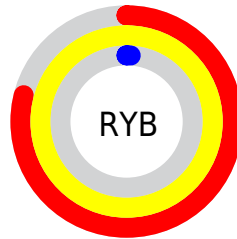
The Yxy color **41.2131, 0.5239, 0.4215** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **19.2480, 0.1716, 0.1371**, and the grayscale version is **36.0259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6427, 0.4454, 0.4429**, and **18.7307, 0.5464, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **40.8212, 0.5258, 0.4207**, and if you desaturate by 10%, it is **44.8666, 0.5065, 0.4271**.

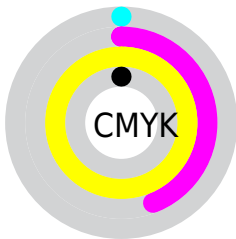
Distribution



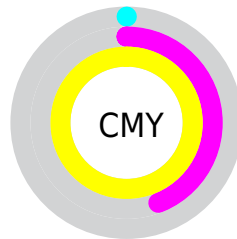
- Red (100%)
- Green (56%)
- Blue (1%)



- Red (79%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (44%)
- Yellow (99%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2131, 0.5239, 0.4215 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 41.2131, 0.5239, 0.4215 by changing the saturation by 10% instead.

 41.2131, 0.5239,
0.4215

 41.2131, 0.5239,
0.4215


351.2105, 0.4265,
0.3924

 28.4856, 0.5425,
0.4221


 77.0073, 0.4923,
0.4159


 18.6921, 0.5629,
0.4196

 100.8428, 0.4793,
0.4123

 11.4480, 0.5869,
0.4131


 129.1498, 0.4677,
0.4086

 6.3690, 0.6062,
0.3938

 162.3126, 0.4575,
0.4050

 3.0707, 0.6345,
0.3655

 200.7157, 0.4484,
0.4015


 1.1688, 0.6796,
0.3204

 244.7434, 0.4403,


 0.0360, 0.9609,


0.3983


0.0391

 294.7802, 0.4331,
0.3952

 0.0000, 0.0000,
0.0000


 41.2131, 0.5239,
0.4215

 41.2131, 0.5239,
0.4215

 40.8212, 0.5258,
0.4207

 44.8666, 0.5065,
0.4271

 48.9657, 0.4854,
0.4273

 53.5468, 0.4615,
0.4223

 58.6358, 0.4364,
0.4130

 64.2556, 0.4113,
0.4005

70.4272, 0.3873,
0.3863

77.1698, 0.3651,
0.3712

84.5016, 0.3449,
0.3561

92.4396, 0.3269,
0.3414

Harmonies

Analogous

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



41.2131, 0.5403, 0.3437



41.2131, 0.5239, 0.4215



41.2131, 0.4492, 0.5031

Triad

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



41.2131, 0.5239, 0.4215



41.2131, 0.1645, 0.3687



41.2131, 0.2387, 0.1744

Complementary

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



41.2131, 0.5239, 0.4215



19.2480, 0.1716, 0.1371

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.



41.2131, 0.1651, 0.1634



41.2131, 0.5239, 0.4215



41.2131, 0.1284, 0.2474

Square

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



41.2131, 0.5239, 0.4215



41.2131, 0.2440, 0.5075



41.2131, 0.1301, 0.1837



41.2131, 0.3522, 0.2127

Rectangle

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



41.2131, 0.5239, 0.4215



41.2131, 0.3833, 0.5451



41.2131, 0.1301, 0.1837



41.2131, 0.2095, 0.1676

Sweetspot

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



41.2153, 0.5239, 0.4215



76.3774, 0.3675, 0.3729



22.5898, 0.5187, 0.2637



15.7302, 0.3767, 0.3793



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.



41.2153, 0.5239, 0.4215



40.8265, 0.5258, 0.4207



90.4618, 0.4104, 0.5119



19.6739, 0.3280, 0.3423



21.6355, 0.5236, 0.4225



2.3244, 0.5084, 0.4345

Inverse Universe

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



19.2480, 0.1716, 0.1371



18.8661, 0.1709, 0.1350



7.3885, 0.1515, 0.0612



18.6937, 0.2979, 0.3153



10.1437, 0.1717, 0.1380



1.2009, 0.1778, 0.1599

Previews

White Background



This preview shows how the Yxy color 41.2131, 0.5239, 0.4215 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 41.2131, 0.5239, 0.4215 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 41.2131, 0.5239, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 41.2131, 0.5239, 0.4215.



This preview shows how white text looks on a background with the Yxy color 41.2131, 0.5239, 0.4215.

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

41.2131, 0.5239, 0.4215

Protanopia

41.4106, 0.4367, 0.4845

Tritanopia

41.2266, 0.4298, 0.3200

Trichromacy



Original Color

41.2131, 0.5239, 0.4215

Protanomaly

40.4713, 0.4704, 0.4607

Tritanomaly

40.8243, 0.4822, 0.3740

Monochromacy



Original Color

41.2131, 0.5239, 0.4215

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.0443, 0.4041, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2131, 0.5239, 0.4215 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, 144, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 3)  
}
```

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, 144, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 3) }
```

Border

The CSS property to change the border of an element to Yxy 41.2131, 0.5239, 0.4215 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, 144, 3) }
```

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

```
.border{ border-color:rgb(255, 144, 3) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
3) }
```

Background

The CSS property to change the background color of an element to Yxy 41.2131, 0.5239, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 3) }
```

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

```
.background{ background-color: rgb(255,  
144, 3) }
```

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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