

Converting Colors

$Y_{xy}(40.7494, 0.5201, 0.4193)$

Have a look what the booklet for
Yxy(40.7494, 0.5201, 0.4193)
contains.

Yxy(40.8833, 0.5195, 0.4196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8833, 0.5195, 0.4196)

Conversions

Conversions Part 1

Format	Color
Hex	FD9015
RGB	253, 144, 21
RGB Percent	99%, 56%, 8%
CMY	0.0078, 0.4353, 0.9176
CMYK	0.00, 0.43, 0.92, 0.01
HSL	32°, 98%, 54%
HSV	32°, 92%, 99%
XYZ	50.6170, 40.8833, 5.9337
YIQ	162.5690, 104.4470, -15.1450

Conversions

Conversions Part 2

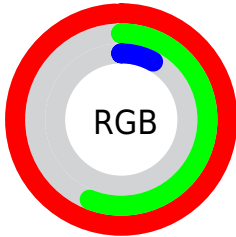
Format	Color
R _Y B	227, 253, 21
Decimal	16617493
CIE Lab	70.09, 34.19, 72.61
CIE LCh	70, 80.257, 64.789
Yxy	40.8833, 0.5195, 0.4196
Android (android.graphics.Color)	4294807573 (0xFFFD9015)
YUV	162.5690, -69.7935, 79.3080
Hunter-Lab	63.9401, 29.4111, 39.2558

Details

The Yxy color **40.8833, 0.5195, 0.4196** 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 **23.2212, 0.1791, 0.1598**, and the grayscale version is **36.7131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7314, 0.4424, 0.4389**, and **18.4731, 0.5448, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **37.9685, 0.5345, 0.4138**, and if you desaturate by 10%, it is **44.8238, 0.4980, 0.4221**.

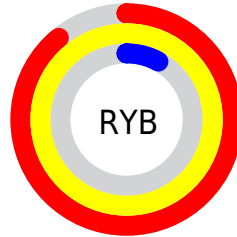
Distribution



Red (99%)

Green (56%)

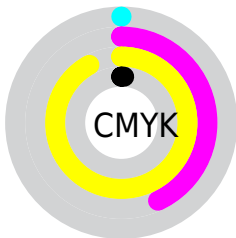
Blue (8%)



Red (89%)

Yellow (99%)

Blue (8%)

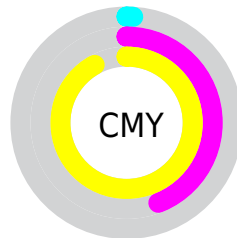


Cyan (0%)

Magenta (43%)

Yellow (92%)

Black (1%)



Cyan (1%)


Magenta (44%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8833, 0.5195, 0.4196 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 40.8833, 0.5195, 0.4196 by changing the saturation by 10% instead.


 40.8833, 0.5195,
0.4196

 40.8833, 0.5195,
0.4196

349.8326, 0.4230,
0.3900


 28.2279, 0.5384,
0.4208


 76.5067, 0.4878,
0.4134


 18.4975, 0.5593,
0.4189


 100.2435, 0.4748,
0.4097


 11.3078, 0.5856,
0.4144


 128.4429, 0.4634,
0.4060

 6.2742, 0.6048,
0.3952

 161.4893, 0.4533,
0.4024

 3.0125, 0.6330,
0.3670

 199.7671, 0.4444,
0.3990

 1.1383, 0.6782,
0.3218

 243.6606, 0.4365,

 0.0104, 0.9878,

0.3958

0.0122

293.5543, 0.4294,
0.3928

■ 0.0000, 0.0000,
0.0000

■ 40.8833, 0.5195,
0.4196

■ 40.8833, 0.5195,
0.4196

■ 37.9685, 0.5345,
0.4138

■ 44.8238, 0.4980,
0.4221

■ 49.2701, 0.4733,
0.4192

■ 54.2530, 0.4469,
0.4115


■ 59.7976, 0.4205,
0.4005

■ 65.9268, 0.3953,
0.3873

 72.6618, 0.3719,
0.3731

 80.0222, 0.3507,
0.3587

 88.0269, 0.3319,
0.3446

 96.6935, 0.3153,
0.3312

Harmonies

Analogous

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



40.8833, 0.5330, 0.3434



40.8833, 0.5195, 0.4196



40.8833, 0.4484, 0.4983

Triad

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



40.8833, 0.5195, 0.4196



40.8833, 0.1698, 0.3701



40.8833, 0.2395, 0.1777

Complementary

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



40.8833, 0.5195, 0.4196



23.2212, 0.1791, 0.1598

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.



40.8833, 0.1680, 0.1675



40.8833, 0.5195, 0.4196



40.8833, 0.1332, 0.2520

Square

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



40.8833, 0.5195, 0.4196



40.8833, 0.2484, 0.5022



40.8833, 0.1340, 0.1884



40.8833, 0.3492, 0.2149

Rectangle

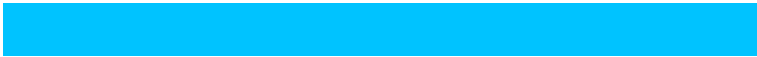
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8833, 0.5195, 0.4196



40.8833, 0.3846, 0.5381



40.8833, 0.1340, 0.1884



40.8833, 0.2111, 0.1712

Sweetspot

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



40.8855, 0.5195, 0.4196



76.6564, 0.3638, 0.3678



23.1173, 0.4869, 0.2500



15.7359, 0.3733, 0.3741



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.



40.8855, 0.5195, 0.4196



38.6409, 0.5346, 0.4137



90.4690, 0.4153, 0.5051



19.5815, 0.3281, 0.3416



20.4925, 0.5322, 0.4156



2.2141, 0.5158, 0.4286

Inverse Universe

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



23.2212, 0.1791, 0.1598



20.6074, 0.1735, 0.1445



7.8343, 0.1537, 0.0654



18.7850, 0.2979, 0.3161



11.0610, 0.1743, 0.1474



1.2935, 0.1802, 0.1688

Previews

White Background



This preview shows how the Yxy color 40.8833, 0.5195, 0.4196 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 40.8833, 0.5195, 0.4196 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 40.8833, 0.5195, 0.4196

Background



This preview shows how black text looks on a background with the Yxy color 40.8833, 0.5195, 0.4196.



This preview shows how white text looks on a background with the Yxy color 40.8833, 0.5195, 0.4196.

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

40.8833, 0.5195, 0.4196

Protanopia

40.9362, 0.4346, 0.4811

Deuteranopia

40.9461, 0.4721, 0.4634



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.8833, 0.5195, 0.4196

Protanomaly

40.3669, 0.4666, 0.4578

Deuteranomaly

40.6175, 0.4902, 0.4468

Tritanomaly

40.4562, 0.4766, 0.3679

Monochromacy



Original Color

40.8833, 0.5195, 0.4196

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6604, 0.3978, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8833, 0.5195, 0.4196 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, 144, 21)` looks like.

```
.text, #text, p{  
    color:rgb(253, 144, 21)  
}
```

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, 144, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 144, 21) }
```

Border

The CSS property to change the border of an element to Yxy 40.8833, 0.5195, 0.4196 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, 144, 21) }
```

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

```
.border{ border-color:rgb(253, 144, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 144, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 144, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 144, 21);  
box-shadow:4px 4px 4px 4px rgb(253, 144,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8833, 0.5195, 0.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 144, 21) }
```

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

```
.background{ background-color: rgb(253,  
144, 21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor