

Converting Colors

$Y_{xy}(40.3080, 0.5150, 0.4160)$

Have a look what the booklet for
Yxy(40.3080, 0.5150, 0.4160)
contains.

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Color

Yxy(40.2696, 0.5153, 0.4159)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FB8F22 |
| RGB | 251, 143, 34 |
| RGB Percent | 98%, 56%, 13% |
| CMY | 0.0157, 0.4392, 0.8664 |
| CMYK | 0.00, 0.43, 0.86, 0.02 |
| HSL | 30°, 96%, 56% |
| HSV | 30°, 86%, 98% |
| XYZ | 49.8940, 40.2696, 6.6616 |
| YIQ | 162.8660, 99.3570, -11.0030 |

Conversions

Conversions Part 2

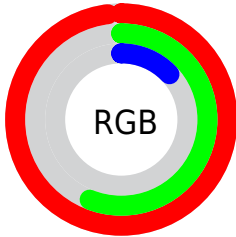
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 249, 251, 34 |
| Decimal | 16486178 |
| CIE Lab | 69.66, 34.11, 68.88 |
| CIE LCh | 70, 76.868, 63.654 |
| Yxy | 40.2696, 0.5153, 0.4159 |
| Android (android.graphics.Color) | 4294676258 (0xFFFB8F22) |
| YUV | 162.8660, -63.5309, 77.2935 |
| Hunter-Lab | 63.4583, 29.2933, 38.1968 |

Details

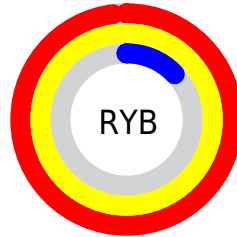
The Yxy color **40.2696, 0.5153, 0.4159** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.6684, 0.1858, 0.1785**, and the grayscale version is **36.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9478, 0.4395, 0.4315**, and **18.1735, 0.5456, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **36.6303, 0.5361, 0.4101**, and if you desaturate by 10%, it is **44.4364, 0.4905, 0.4161**.

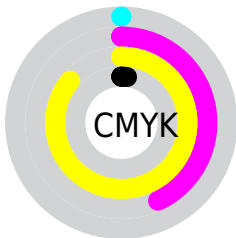
Distribution



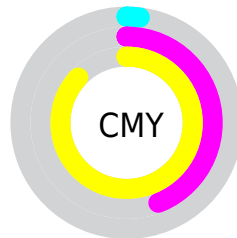
- Red (98%)
- Green (56%)
- Blue (13%)



- Red (98%)
- Yellow (98%)
- Blue (13%)



- Cyan (0%)
- Magenta (43%)
- Yellow (86%)
- Black (2%)



- Cyan (2%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2696, 0.5153, 0.4159 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 40.2696, 0.5153, 0.4159 by changing the saturation by 10% instead.

 40.2696, 0.5153,
0.4159


 40.2696, 0.5153,
0.4159


347.2586, 0.4194,
0.3866

 27.7488, 0.5348,
0.4175


 75.5739, 0.4833,
0.4094


 18.1364, 0.5566,
0.4162


 99.1262, 0.4704,
0.4057


 11.0480, 0.5861,
0.4139


 127.1244, 0.4590,
0.4021

 6.0991, 0.6056,
0.3944

 159.9529, 0.4491,
0.3986

 2.9054, 0.6342,
0.3658

 197.9963, 0.4403,
0.3952

 1.0826, 0.6804,
0.3196

 241.6387, 0.4325,

 0.0000, 1.0000,

0.3921

0.0000

291.2647, 0.4256,
0.3892

■ 0.0000, 0.0000,
0.0000

■ 40.2696, 0.5153,
0.4159

■ 40.2696, 0.5153,
0.4159

■ 36.6303, 0.5361,
0.4101

■ 44.4364, 0.4905,
0.4161


■ 35.4422, 0.5428,
0.4072

■ 49.1571, 0.4633,
0.4111


■ 54.4621, 0.4356,
0.4022


■ 60.3767, 0.4087,
0.3905

■ 66.9246, 0.3836,
0.3774

 74.1273, 0.3609,
0.3637

 82.0056, 0.3407,
0.3501

 90.5788, 0.3229,
0.3370

 99.2480, 0.3102,
0.3290

Harmonies

Analogous

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



40.2696, 0.5244, 0.3416



40.2696, 0.5153, 0.4159



40.2696, 0.4489, 0.4916

Triad

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



40.2696, 0.5153, 0.4159



40.2696, 0.1768, 0.3741



40.2696, 0.2387, 0.1810

Complementary

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



40.2696, 0.5153, 0.4159



26.6684, 0.1858, 0.1785

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.



40.2696, 0.1702, 0.1722



40.2696, 0.5153, 0.4159



40.2696, 0.1389, 0.2587

Square

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



40.2696, 0.5153, 0.4159



40.2696, 0.2549, 0.4983



40.2696, 0.1381, 0.1944



40.2696, 0.3438, 0.2165

Rectangle

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



40.2696, 0.5153, 0.4159



40.2696, 0.3876, 0.5298



40.2696, 0.1381, 0.1944



40.2696, 0.2115, 0.1750

Sweetspot

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



40.2717, 0.5153, 0.4159



77.1615, 0.3600, 0.3631



23.6252, 0.4674, 0.2439



15.9428, 0.3676, 0.3679



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.



40.2717, 0.5153, 0.4159



36.7143, 0.5430, 0.4071



89.6140, 0.4164, 0.5005



18.6657, 0.3281, 0.3409



18.9227, 0.5403, 0.4092



1.9646, 0.5220, 0.4238

Inverse Universe

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



26.6684, 0.1858, 0.1785



22.3830, 0.1761, 0.1537



8.4541, 0.1567, 0.0710



18.0705, 0.2980, 0.3168



11.6549, 0.1769, 0.1568



1.2914, 0.1829, 0.1784

Previews

White Background



This preview shows how the Yxy color 40.2696, 0.5153, 0.4159 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 40.2696, 0.5153, 0.4159 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 40.2696, 0.5153, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 40.2696, 0.5153, 0.4159.



This preview shows how white text looks on a background with the Yxy color 40.2696, 0.5153, 0.4159.

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

40.2696, 0.5153, 0.4159

Protanopia

40.4924, 0.4309, 0.4754

Deuteranopia

40.4937, 0.4690, 0.4590



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.2696, 0.5153, 0.4159

Protanomaly

39.7758, 0.4623, 0.4536

Deuteranomaly

40.1753, 0.4870, 0.4425

Tritanomaly

39.9414, 0.4752, 0.3631

Monochromacy



Original Color

40.2696, 0.5153, 0.4159

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6400, 0.3919, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2696, 0.5153, 0.4159 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, 143, 34)` looks like.

```
.text, #text, p{  
    color:rgb(251, 143, 34)  
}
```

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, 143, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 143, 34) }
```

Border

The CSS property to change the border of an element to Yxy 40.2696, 0.5153, 0.4159 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, 143, 34) }
```

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

```
.border{ border-color:rgb(251, 143, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 143, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 143, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 143, 34);  
box-shadow:4px 4px 4px 4px rgb(251, 143,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2696, 0.5153, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 143, 34) }
```

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

```
.background{ background-color: rgb(251,  
143, 34) }
```

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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