

Converting Colors

$Y_{xy}(38.6921, 0.5233, 0.4025)$

Have a look what the booklet for
Yxy(38.6921, 0.5233, 0.4025)
contains.

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Color

Yxy(38.7624, 0.5232, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	FF872B
RGB	255, 135, 43
RGB Percent	100%, 53%, 17%
CMY	0.0000, 0.4705, 0.8315
CMYK	0.00, 0.47, 0.83, 0.00
HSL	26°, 100%, 58%
HSV	26°, 83%, 100%
XYZ	50.3363, 38.7624, 7.1098
YIQ	160.3920, 101.0520, -3.1720

Conversions

Conversions Part 2

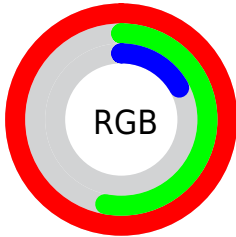
Format	Color
R_{YB}	255, 206, 43
Decimal	16746283
CIE _{Lab}	68.58, 39.97, 65.29
CIE _{LCh}	69, 76.550, 58.527
Yxy	38.7624, 0.5232, 0.4029
Android (android.graphics.Color)	4294936363 (0xFFFF872B)
YUV	160.3920, -57.8743, 82.9712
Hunter-Lab	62.2595, 35.3618, 36.8109

Details

The Yxy color **38.7624, 0.5232, 0.4029** 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 **33.9002, 0.1941, 0.2049**, and the grayscale version is **35.5822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9500, 0.4409, 0.4205**, and **17.2629, 0.5602, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **34.8748, 0.5485, 0.3974**, and if you desaturate by 10%, it is **43.3165, 0.4939, 0.4028**.

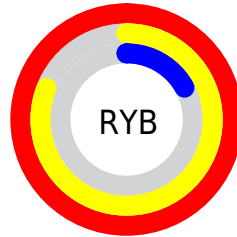
Distribution



Red (100%)

Green (53%)

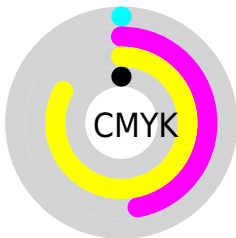
Blue (17%)



Red (100%)

Yellow (81%)

Blue (17%)

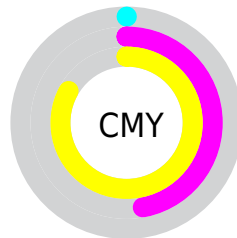


Cyan (0%)

Magenta (47%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7624, 0.5232, 0.4029 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 38.7624, 0.5232, 0.4029 by changing the saturation by 10% instead.


 38.7624, 0.5232,
0.4029


 38.7624, 0.5232,
0.4029


340.8793, 0.4216,
0.3798


 26.5749, 0.5445,
0.4031


 73.2752, 0.4888,
0.3986


 17.2542, 0.5689,
0.4002


 96.3693, 0.4750,
0.3957

 10.4159, 0.6015,
0.3952


 123.8678, 0.4630,
0.3928

 5.6756, 0.6262,
0.3738

 156.1550, 0.4526,
0.3899

 2.6488, 0.6597,
0.3403

 193.6154, 0.4434,
0.3871

 0.9513, 0.7129,
0.2871

 236.6333, 0.4353,

 0.0000, 1.0000,

0.3845

0.0000

285.5931, 0.4281,
0.3821

■ 0.0000, 0.0000,
0.0000

■ 38.7624, 0.5232,
0.4029

■ 38.7624, 0.5232,
0.4029

■ 34.8748, 0.5485,
0.3974

■ 43.3165, 0.4939,
0.4028


■ 32.5638, 0.5631,
0.3911


■ 48.5702, 0.4630,
0.3979


■ 54.5607, 0.4325,
0.3895

■ 61.3200, 0.4038,
0.3789

■ 68.8778, 0.3779,
0.3672

 77.2620, 0.3550,
0.3552

 86.4988, 0.3349,
0.3435

 96.6134, 0.3177,
0.3324

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



38.7624, 0.5200, 0.3292



38.7624, 0.5232, 0.4029



38.7624, 0.4638, 0.4801

Triad

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



38.7624, 0.5232, 0.4029



38.7624, 0.1865, 0.3978



38.7624, 0.2236, 0.1766

Complementary

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



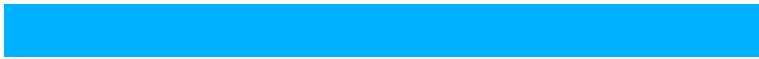
38.7624, 0.5232, 0.4029



33.9002, 0.1941, 0.2049

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.



38.7624, 0.1614, 0.1726



38.7624, 0.5232, 0.4029



38.7624, 0.1414, 0.2743

Square

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



38.7624, 0.5232, 0.4029



38.7624, 0.2707, 0.5148



38.7624, 0.1349, 0.2010



38.7624, 0.3239, 0.2079

Rectangle

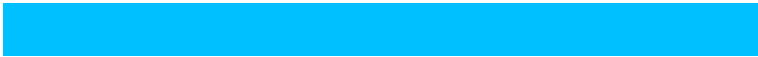
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7624, 0.5232, 0.4029



38.7624, 0.4044, 0.5234



38.7624, 0.1349, 0.2010



38.7624, 0.1985, 0.1721

Sweetspot

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



38.7645, 0.5232, 0.4029



75.6588, 0.3590, 0.3574



25.6304, 0.4372, 0.2300



15.5547, 0.3669, 0.3616



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.



38.7645, 0.5232, 0.4029



32.5673, 0.5631, 0.3911



84.2551, 0.4248, 0.4898



19.2844, 0.3283, 0.3394



17.3011, 0.5603, 0.3933



1.8970, 0.5404, 0.4091

Inverse Universe

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



33.9002, 0.1941, 0.2049



27.2523, 0.1826, 0.1773



10.6671, 0.1618, 0.0842



19.0836, 0.2979, 0.3184



14.5425, 0.1833, 0.1799



1.6334, 0.1885, 0.1984

Previews

White Background



This preview shows how the Yxy color 38.7624, 0.5232, 0.4029 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 38.7624, 0.5232, 0.4029 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 38.7624, 0.5232, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 38.7624, 0.5232, 0.4029.



This preview shows how white text looks on a background with the Yxy color 38.7624, 0.5232, 0.4029.

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

38.7624, 0.5232, 0.4029

Protanopia

38.9356, 0.4255, 0.4688

Deuteranopia

38.7494, 0.4648, 0.4557



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.7624, 0.5232, 0.4029

Protanomaly

37.9874, 0.4623, 0.4438

Deuteranomaly

38.2710, 0.4877, 0.4350

Tritanomaly

38.4719, 0.4805, 0.3569

Monochromacy



Original Color

38.7624, 0.5232, 0.4029

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0197, 0.3936, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7624, 0.5232, 0.4029 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, 135, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 43)  
}
```

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, 135, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 43) }
```

Border

The CSS property to change the border of an element to Yxy 38.7624, 0.5232, 0.4029 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, 135, 43) }
```

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

```
.border{ border-color:rgb(255, 135, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
43) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.7624, 0.5232, 0.4029$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 43) }
```

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

```
.background{ background-color: rgb(255,  
135, 43) }
```

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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