

Converting Colors

$Y_{xy}(42.0826, 0.5030, 0.4049)$

Have a look what the booklet for
Yxy(42.0826, 0.5030, 0.4049)
contains.

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Color

Yxy(42.1335, 0.5032, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	FF923B
RGB	255, 146, 59
RGB Percent	100%, 57%, 23%
CMY	0.0000, 0.4274, 0.7687
CMYK	0.00, 0.43, 0.77, 0.00
HSL	27°, 100%, 62%
HSV	27°, 77%, 100%
XYZ	52.3108, 42.1335, 9.5120
YIQ	168.6730, 92.8910, -3.9490

Conversions

Conversions Part 2

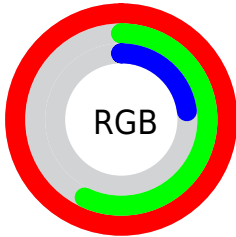
Format	Color
R _Y B	255, 215, 59
Decimal	16749115
CIE Lab	70.96, 34.91, 61.19
CIE LCh	71, 70.452, 60.294
Yxy	42.1335, 0.5032, 0.4053
Android (android.graphics.Color)	4294939195 (0xFFFF923B)
YUV	168.6730, -54.0688, 75.7088
Hunter-Lab	64.9103, 30.2590, 36.7488

Details

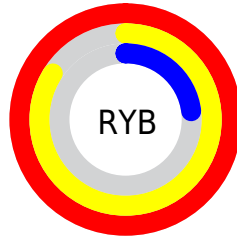
The Yxy color **42.1335, 0.5032, 0.4053** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.1521, 0.1994, 0.2129**, and the grayscale version is **39.7434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2031, 0.4237, 0.4181**, and **19.2119, 0.5442, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **37.8267, 0.5308, 0.4036**, and if you desaturate by 10%, it is **47.1127, 0.4731, 0.4019**.

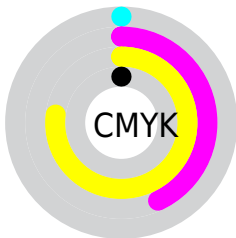
Distribution



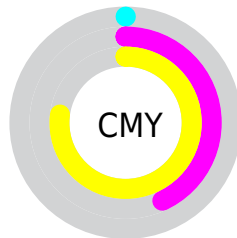
- Red (100%)
- Green (57%)
- Blue (23%)



- Red (100%)
- Yellow (84%)
- Blue (23%)



- Cyan (0%)
- Magenta (43%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1335, 0.5032, 0.4053 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 42.1335, 0.5032, 0.4053 by changing the saturation by 10% instead.


 42.1335, 0.5032,
0.4053


 42.1335, 0.5032,
0.4053

355.0360, 0.4112,
0.3783


 29.2058, 0.5230,
0.4076


 78.4016, 0.4718,
0.3987


 19.2366, 0.5460,
0.4079


 102.5109, 0.4593,
0.3953

 11.8414, 0.5729,
0.4045


 131.1161, 0.4485,
0.3919

 6.6357, 0.6050,
0.3950

 164.6018, 0.4391,
0.3888

 3.2354, 0.6327,
0.3673

 203.3522, 0.4308,
0.3859

 1.2558, 0.6764,
0.3236

 247.7518, 0.4235,

 0.1066, 0.8999,

0.3831

0.1001

298.1849, 0.4170,
0.3806

■ 0.0000, 0.0000,
0.0000

■ 42.1335, 0.5032,
0.4053

■ 42.1335, 0.5032,
0.4053

■ 37.8267, 0.5308,
0.4036

■ 47.1127, 0.4731,
0.4019

■ 34.1499, 0.5538,
0.3963


■ 52.7981, 0.4427,
0.3944

■ 33.1139, 0.5603,
0.3933

■ 59.2222, 0.4136,
0.3842

■ 66.4144, 0.3868,
0.3725

■ 74.4025, 0.3629,
0.3603

 83.2124, 0.3420,
0.3482

 92.8687, 0.3238,
0.3366

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



42.1335, 0.5015, 0.3360



42.1335, 0.5032, 0.4053



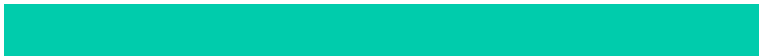
42.1335, 0.4492, 0.4739

Triad

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



42.1335, 0.5032, 0.4053



42.1335, 0.1953, 0.3838



42.1335, 0.2366, 0.1897

Complementary

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



42.1335, 0.5032, 0.4053



36.1521, 0.1994, 0.2129

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.



42.1335, 0.1762, 0.1848



42.1335, 0.5032, 0.4053



42.1335, 0.1544, 0.2763

Square

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



42.1335, 0.5032, 0.4053



42.1335, 0.2718, 0.4882



42.1335, 0.1493, 0.2106



42.1335, 0.3298, 0.2204

Rectangle

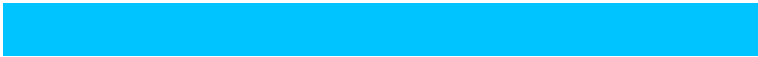
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1335, 0.5032, 0.4053



42.1335, 0.3947, 0.5084



42.1335, 0.1493, 0.2106



42.1335, 0.2125, 0.1850

Sweetspot

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



42.1340, 0.5032, 0.4053



77.7087, 0.3545, 0.3556



27.2920, 0.4241, 0.2312



15.9706, 0.3624, 0.3600



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.



42.1340, 0.5032, 0.4053



35.8629, 0.5432, 0.4005



85.0401, 0.4204, 0.4847



19.3143, 0.3283, 0.3396



17.5895, 0.5575, 0.3956



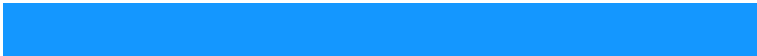
1.9264, 0.5379, 0.4111

Inverse Universe

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



36.1521, 0.1994, 0.2129



29.4613, 0.1865, 0.1869



12.7923, 0.1694, 0.0977



19.0532, 0.2979, 0.3182



14.1537, 0.1824, 0.1765



1.5961, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 42.1335, 0.5032, 0.4053 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 42.1335, 0.5032, 0.4053 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 42.1335, 0.5032, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 42.1335, 0.5032, 0.4053.



This preview shows how white text looks on a background with the Yxy color 42.1335, 0.5032, 0.4053.

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

42.1335, 0.5032, 0.4053

Protanopia

42.1467, 0.4175, 0.4583

Deuteranopia

42.0727, 0.4561, 0.4461



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.1335, 0.5032, 0.4053

Protanomaly

41.5200, 0.4492, 0.4386

Deuteranomaly

41.7185, 0.4737, 0.4308

Tritanomaly

41.8670, 0.4594, 0.3557

Monochromacy



Original Color

42.1335, 0.5032, 0.4053

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.3541, 0.3819, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1335, 0.5032, 0.4053 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, 146, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 59)  
}
```

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, 146, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 59) }
```

Border

The CSS property to change the border of an element to Yxy 42.1335, 0.5032, 0.4053 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, 146, 59) }
```

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

```
.border{ border-color:rgb(255, 146, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1335, 0.5032, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 59) }
```

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

```
.background{ background-color: rgb(255,  
146, 59) }
```

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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