

Converting Colors

$Y_{xy}(43.4649, 0.4731, 0.3957)$

Have a look what the booklet for
Yxy(43.4649, 0.4731, 0.3957)
contains.

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Color

Yxy(43.5941, 0.4731, 0.3956)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F99956 |
| RGB | 249, 153, 86 |
| RGB Percent | 98%, 60%, 34% |
| CMY | 0.0236, 0.3999, 0.6628 |
| CMYK | 0.00, 0.39, 0.65, 0.02 |
| HSL | 25°, 93%, 66% |
| HSV | 25°, 65%, 98% |
| XYZ | 52.1344, 43.5941, 14.4689 |
| YIQ | 174.0660, 78.7230, -0.4850 |

Conversions

Conversions Part 2

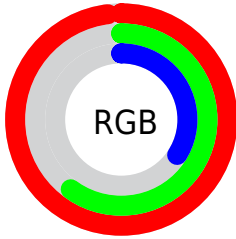
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 249, 200, 86 |
| Decimal | 16357718 |
| CIE _{Lab} | 71.96, 30.17, 49.59 |
| CIE _{LCh} | 72, 58.045, 58.685 |
| Yxy | 43.5941, 0.4731, 0.3956 |
| Android (android.graphics.Color) | 4294547798 (0xFFFF99956) |
| YUV | 174.0660, -43.4165, 65.7171 |
| Hunter-Lab | 66.0258, 25.3995, 33.2252 |

Details

The Yxy color **43.5941, 0.4731, 0.3956** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.2588, 0.2143, 0.2405**, and the grayscale version is **42.5616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2067, 0.4018, 0.4008**, and **20.1261, 0.5139, 0.4022** is the 20% darker color. If you saturate the color by 10%, you get **38.7540, 0.5050, 0.3990**, and if you desaturate by 10%, it is **49.1681, 0.4413, 0.3884**.

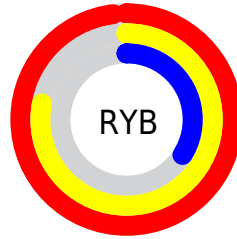
Distribution



Red (98%)

Green (60%)

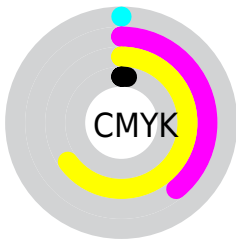
Blue (34%)



Red (98%)

Yellow (78%)

Blue (34%)

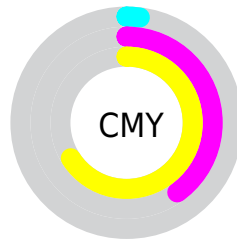


Cyan (0%)

Magenta (39%)

Yellow (65%)

Black (2%)



Cyan (2%)


Magenta (40%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5941, 0.4731, 0.3956 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 43.5941, 0.4731, 0.3956 by changing the saturation by 10% instead.


 43.5941, 0.4731,
0.3956


 43.5941, 0.4731,
0.3956

361.0493, 0.3939,
0.3692


 30.3515, 0.4913,
0.3994


 80.6066, 0.4452,
0.3880


 20.1056, 0.5134,
0.4025


 105.1454, 0.4345,
0.3845

 12.4718, 0.5401,
0.4037


 134.2183, 0.4252,
0.3813

 7.0659, 0.5756,
0.4024

 168.2098, 0.4173,
0.3784

 3.5033, 0.6123,
0.3877

 207.5042, 0.4103,
0.3758

 1.3998, 0.6501,
0.3499

252.4860, 0.4042,

 0.2166, 0.8138,

0.3734

0.1862

303.5396, 0.3988,
0.3712

0.0000, 0.0000,
0.0000

43.5941, 0.4731,
0.3956

43.5941, 0.4731,
0.3956

38.7540, 0.5050,
0.3990

49.1681, 0.4413,
0.3884

34.6045, 0.5347,
0.3974

55.5026, 0.4114,
0.3788

31.1064, 0.5597,
0.3904

62.6305, 0.3843,
0.3678

29.7151, 0.5696,
0.3860

70.5807, 0.3603,
0.3565

79.3805, 0.3394,
0.3453

 89.0556, 0.3214,
0.3346

 98.8774, 0.3090,
0.3290

Harmonies

Analogous

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



43.5941, 0.4656, 0.3356



43.5941, 0.4731, 0.3956



43.5941, 0.4333, 0.4511

Triad

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



43.5941, 0.4731, 0.3956



43.5941, 0.2189, 0.3791



43.5941, 0.2464, 0.2096

Complementary

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



43.5941, 0.4731, 0.3956



42.2588, 0.2143, 0.2405

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.



43.5941, 0.1952, 0.2075



43.5941, 0.4731, 0.3956



43.5941, 0.1802, 0.2922

Square

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



43.5941, 0.4731, 0.3956



43.5941, 0.2858, 0.4579



43.5941, 0.1729, 0.2333



43.5941, 0.3233, 0.2352

Rectangle

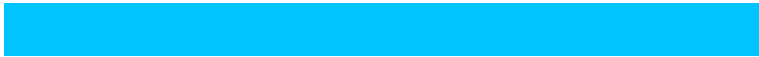
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.5941, 0.4731, 0.3956



43.5941, 0.3893, 0.4763



43.5941, 0.1729, 0.2333



43.5941, 0.2262, 0.2061

Sweetspot

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



43.5963, 0.4731, 0.3956



79.4542, 0.3486, 0.3503



30.2437, 0.3935, 0.2333



16.4522, 0.3545, 0.3535



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.



43.5963, 0.4731, 0.3956



39.2388, 0.5162, 0.3991



78.9104, 0.4128, 0.4668



18.3974, 0.3284, 0.3388



16.1714, 0.5667, 0.3882



1.7008, 0.5452, 0.4053

Inverse Universe

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



42.2588, 0.2143, 0.2405



37.5602, 0.1997, 0.2184



18.3772, 0.1892, 0.1352



18.3419, 0.2980, 0.3190



15.0537, 0.1856, 0.1882



1.6030, 0.1907, 0.2066

Previews

White Background



This preview shows how the Yxy color 43.5941, 0.4731, 0.3956 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 43.5941, 0.4731, 0.3956 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 43.5941, 0.4731, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 43.5941, 0.4731, 0.3956.



This preview shows how white text looks on a background with the Yxy color 43.5941, 0.4731, 0.3956.

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

43.5941, 0.4731, 0.3956

Protanopia

43.8545, 0.3984, 0.4340

Deuteranopia

43.5199, 0.4357, 0.4267



Tritanopia

43.5337, 0.4133, 0.3177

Trichromacy



Original Color

43.5941, 0.4731, 0.3956

Protanomaly

43.2077, 0.4262, 0.4193

Deuteranomaly

43.4769, 0.4493, 0.4159

Tritanomaly

43.5139, 0.4375, 0.3472

Monochromacy



Original Color

43.5941, 0.4731, 0.3956

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.6429, 0.3685, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5941, 0.4731, 0.3956 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(249, 153, 86)` looks like.

```
.text, #text, p{  
    color:rgb(249, 153, 86)  
}
```

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(249, 153, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 153, 86) }
```

Border

The CSS property to change the border of an element to Yxy 43.5941, 0.4731, 0.3956 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(249, 153, 86) }
```

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

```
.border{ border-color:rgb(249, 153, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 153, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 153, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 153, 86);  
box-shadow:4px 4px 4px 4px rgb(249, 153,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5941, 0.4731, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 153, 86) }
```

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

```
.background{ background-color: rgb(249,  
153, 86) }
```

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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