

# Converting Colors

$Y_{xy}(43.1408, 0.4579, 0.4089)$

Have a look what the booklet for  
Yxy(43.1408, 0.4579, 0.4089)  
contains.

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# Color

**Yxy(43.0830, 0.4581, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB9F53
RGB	235, 159, 83
RGB Percent	92%, 62%, 33%
CMY	0.0784, 0.3764, 0.6745
CMYK	0.00, 0.32, 0.65, 0.08
HSL	30°, 79%, 62%
HSV	30°, 65%, 92%
XYZ	48.2197, 43.0830, 13.9575
YIQ	173.0600, 69.6920, -7.5240

# Conversions

## Conversions Part 2

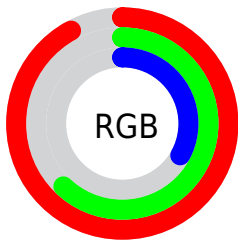
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 235, 83
Decimal	15441747
CIE <sub>Lab</sub>	71.61, 21.14, 50.21
CIE <sub>LCh</sub>	72, 54.481, 67.164
Yxy	43.0830, 0.4581, 0.4093
Android (android.graphics.Color)	4293631827 (0xFFEB9F53)
YUV	173.0600, -44.3996, 54.3214
Hunter-Lab	65.6376, 16.2664, 33.3386

# Details

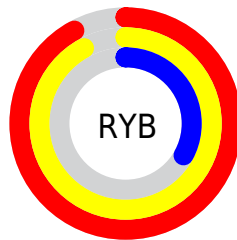
The Yxy color **43.0830, 0.4581, 0.4093** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **32.6292, 0.2108, 0.2222**, and the grayscale version is **42.0268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1024, 0.4010, 0.4093**, and **19.7336, 0.4948, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **38.9309, 0.4855, 0.4151**, and if you desaturate by 10%, it is **47.7465, 0.4304, 0.3998**.

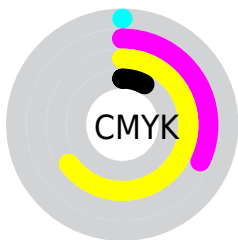
# Distribution



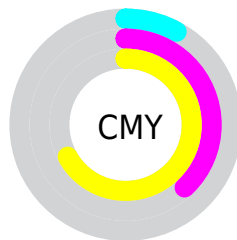
- Red (92%)
- Green (62%)
- Blue (33%)



- Red (92%)
- Yellow (92%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (65%)
- Black (8%)




- Cyan (8%)
- Magenta (38%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0830, 0.4581, 0.4093 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 43.0830, 0.4581, 0.4093 by changing the saturation by 10% instead.





 43.0830, 0.4581,  
0.4093


 43.0830, 0.4581,  
0.4093


358.9530, 0.3866,  
0.3749


 29.9502, 0.4744,  
0.4153


 79.8361, 0.4330,  
0.3986

 19.8008, 0.4941,  
0.4213


 104.2252, 0.4233,  
0.3940

 12.2503, 0.5177,  
0.4262


 133.1353, 0.4150,  
0.3899

 6.9144, 0.5501,  
0.4312

 166.9506, 0.4077,  
0.3862

 3.4086, 0.5786,  
0.4214

 206.0557, 0.4014,  
0.3829

 1.3486, 0.6082,  
0.3918

250.8348, 0.3959,

 0.1784, 0.7936,

0.3799

0.2064

301.6725, 0.3910,  
0.3773

0.0000, 0.0000,  
0.0000

43.0830, 0.4581,  
0.4093

43.0830, 0.4581,  
0.4093

38.9309, 0.4855,  
0.4151

47.7465, 0.4304,  
0.3998

35.2600, 0.5110,  
0.4160

52.9363, 0.4038,  
0.3878


32.0454, 0.5327,  
0.4113


58.6743, 0.3793,  
0.3746

30.5042, 0.5429,  
0.4071


64.9791, 0.3570,  
0.3610

71.8681, 0.3373,  
0.3476

 79.3579, 0.3200,  
0.3347

 87.4642, 0.3049,  
0.3227

 95.1287, 0.3005,  
0.3270

 96.4016, 0.3005,  
0.3290

# Harmonies

## Analogous

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



43.0830, 0.4642, 0.3523



43.0830, 0.4581, 0.4093



43.0830, 0.4113, 0.4570

# Triad

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



43.0830, 0.4581, 0.4093



43.0830, 0.2105, 0.3521



43.0830, 0.2687, 0.2200

# Complementary

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



43.0830, 0.4581, 0.4093



32.6292, 0.2108, 0.2222

# 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.



43.0830, 0.2120, 0.2115



43.0830, 0.4581, 0.4093



43.0830, 0.1817, 0.2758

# Square

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



43.0830, 0.4581, 0.4093



43.0830, 0.2679, 0.4325



43.0830, 0.1828, 0.2286



43.0830, 0.3460, 0.2503



# Rectangle

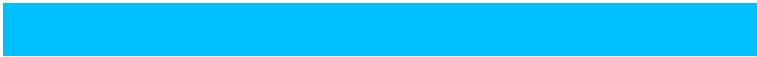
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.0830, 0.4581, 0.4093



43.0830, 0.3662, 0.4726



43.0830, 0.1828, 0.2286



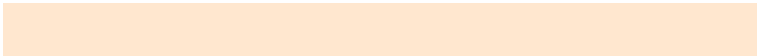
43.0830, 0.2470, 0.2146

# Sweetspot

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



43.0852, 0.4581, 0.4093



82.7707, 0.3457, 0.3534



26.3512, 0.4132, 0.2497



17.2101, 0.3514, 0.3573



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.



43.0852, 0.4581, 0.4093



45.1770, 0.4952, 0.4160



77.7009, 0.4021, 0.4768



16.2986, 0.3280, 0.3408



17.2330, 0.5405, 0.4091



1.5456, 0.5192, 0.4259



# Inverse Universe

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



32.6292, 0.2108, 0.2222



31.6855, 0.1941, 0.1953



14.0234, 0.1869, 0.1211



15.7932, 0.2981, 0.3169



10.7375, 0.1772, 0.1580



1.0356, 0.1842, 0.1830



# Previews

## White Background



This preview shows how the Yxy color 43.0830, 0.4581, 0.4093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

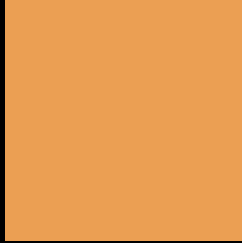
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.0830, 0.4581, 0.4093 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 43.0830, 0.4581, 0.4093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.0830, 0.4581, 0.4093.



This preview shows how white text looks on a background with the Yxy color 43.0830, 0.4581, 0.4093.

# 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

43.0830, 0.4581, 0.4093

### Protanopia

43.2246, 0.4024, 0.4399

### Deuteranopia

42.9832, 0.4363, 0.4270



## Tritanopia

42.9112, 0.3935, 0.3170

# Trichromacy



## Original Color

43.0830, 0.4581, 0.4093

## Protanomaly

42.9766, 0.4227, 0.4289

## Deuteranomaly

43.0074, 0.4446, 0.4199

## Tritanomaly

42.6531, 0.4196, 0.3517

# Monochromacy



## Original Color

43.0830, 0.4581, 0.4093

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.6345, 0.3647, 0.3659

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0830, 0.4581, 0.4093 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(235, 159, 83)` looks like.

```
.text, #text, p{  
    color:rgb(235, 159, 83)  
}
```

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(235, 159, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 159, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0830, 0.4581, 0.4093 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(235, 159, 83) }
```

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

```
.border{ border-color:rgb(235, 159, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 159, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 159, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 159, 83);  
box-shadow:4px 4px 4px 4px rgb(235, 159,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0830, 0.4581, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 159, 83) }
```

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

```
.background{ background-color: rgb(235,  
159, 83) }
```

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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