

# Converting Colors

$Y_{xy}(39.7673, 0.4574, 0.4015)$

Have a look what the booklet for  
Yxy(39.7673, 0.4574, 0.4015)  
contains.

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# Color

**Yxy(39.7704, 0.4571, 0.4024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E59855
RGB	229, 152, 85
RGB Percent	90%, 60%, 33%
CMY	0.1020, 0.4039, 0.6667
CMYK	0.00, 0.34, 0.63, 0.10
HSL	28°, 73%, 62%
HSV	28°, 63%, 90%
XYZ	45.1766, 39.7704, 13.8860
YIQ	167.3850, 67.3990, -4.5130

# Conversions

## Conversions Part 2

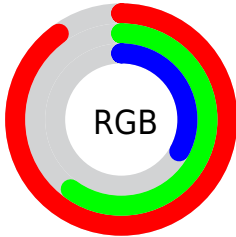
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 210, 85
Decimal	15046741
CIE Lab	69.31, 22.51, 46.41
CIE LCh	69, 51.579, 64.125
Yxy	39.7704, 0.4571, 0.4024
Android (android.graphics.Color)	4293236821 (0xFFE59855)
YUV	167.3850, -40.6158, 54.0364
Hunter-Lab	63.0638, 17.5092, 31.0896

# Details

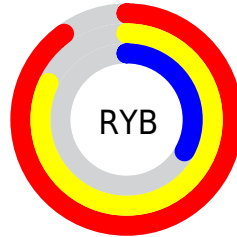
The Yxy color **39.7704, 0.4571, 0.4024** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.4103, 0.2151, 0.2334**, and the grayscale version is **39.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6918, 0.4030, 0.4008**, and **17.8698, 0.4939, 0.4137** is the 20% darker color. If you saturate the color by 10%, you get **35.6949, 0.4863, 0.4082**, and if you desaturate by 10%, it is **44.3776, 0.4281, 0.3931**.

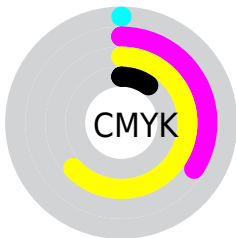
# Distribution



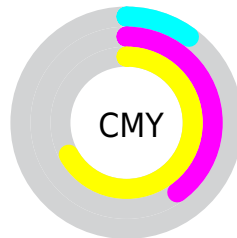
- Red (90%)
- Green (60%)
- Blue (33%)



- Red (90%)
- Yellow (82%)
- Blue (33%)



- Cyan (0%)
- Magenta (34%)
- Yellow (63%)
- Black (10%)



- Cyan (10%)
- Magenta (40%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7704, 0.4571, 0.4024 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 39.7704, 0.4571, 0.4024 by changing the saturation by 10% instead.




 39.7704, 0.4571,  
0.4024


 39.7704, 0.4571,  
0.4024

345.1549, 0.3847,  
0.3706

 27.3596, 0.4742,  
0.4080


 74.8138, 0.4313,  
0.3924


 17.8435, 0.4950,  
0.4135


 98.2151, 0.4214,  
0.3882

 10.8377, 0.5206,  
0.4178


 126.0487, 0.4130,  
0.3844

 5.9578, 0.5571,  
0.4225

 158.6990, 0.4057,  
0.3810

 2.8194, 0.5898,  
0.4102

 196.5504, 0.3994,  
0.3780

 1.0382, 0.6253,  
0.3747

239.9872, 0.3939,

 0.0000, 1.0000,

0.3753

0.0000

289.3939, 0.3890,  
0.3728

0.0000, 0.0000,  
0.0000

39.7704, 0.4571,  
0.4024

39.7704, 0.4571,  
0.4024

35.6949, 0.4863,  
0.4082

44.3776, 0.4281,  
0.3931

32.1209, 0.5141,  
0.4094

49.5327, 0.4008,  
0.3817

29.0231, 0.5382,  
0.4050

55.2581, 0.3759,  
0.3693

27.0856, 0.5530,  
0.3991

61.5730, 0.3537,  
0.3565

68.4957, 0.3342,  
0.3441

■ 76.0435, 0.3172,  
0.3323

■ 84.2329, 0.3025,  
0.3212

■ 92.2021, 0.2969,  
0.3239

■ 95.3952, 0.2970,  
0.3290

# Harmonies

## Analogous

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



39.7704, 0.4579, 0.3465



39.7704, 0.4571, 0.4024



39.7704, 0.4151, 0.4502

# Triad

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



39.7704, 0.4571, 0.4024



39.7704, 0.2177, 0.3600



39.7704, 0.2632, 0.2207

# Complementary

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



39.7704, 0.4571, 0.4024



33.4103, 0.2151, 0.2334

# 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.



39.7704, 0.2103, 0.2147



39.7704, 0.4571, 0.4024



39.7704, 0.1863, 0.2839

# Square

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



39.7704, 0.4571, 0.4024



39.7704, 0.2762, 0.4356



39.7704, 0.1844, 0.2344



39.7704, 0.3372, 0.2483



# Rectangle

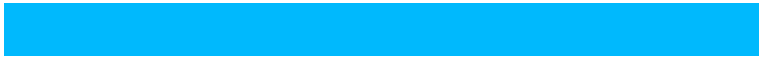
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.7704, 0.4571, 0.4024



39.7704, 0.3723, 0.4676



39.7704, 0.1844, 0.2344



39.7704, 0.2428, 0.2161

# Sweetspot

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



39.7724, 0.4571, 0.4024



81.8389, 0.3460, 0.3518



25.8367, 0.3985, 0.2436



16.9856, 0.3518, 0.3554



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.



39.7724, 0.4571, 0.4024



44.3369, 0.4937, 0.4090



69.4382, 0.4047, 0.4683



15.4684, 0.3281, 0.3400



15.7248, 0.5504, 0.4012



1.3464, 0.5264, 0.4202



# Inverse Universe

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



33.4103, 0.2151, 0.2334



35.5642, 0.1998, 0.2104



15.2730, 0.1924, 0.1353



15.1565, 0.2981, 0.3178



11.4926, 0.1805, 0.1698



1.0348, 0.1875, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 39.7704, 0.4571, 0.4024 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 39.7704, 0.4571, 0.4024 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 39.7704, 0.4571, 0.4024**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.7704, 0.4571, 0.4024.



This preview shows how white text looks on a background with the Yxy color 39.7704, 0.4571, 0.4024.

# 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

39.7704, 0.4571, 0.4024

### Protanopia

40.0696, 0.3973, 0.4331

### Deuteranopia

39.6696, 0.4321, 0.4221



## Tritanopia

39.8055, 0.3964, 0.3167

# Trichromacy



**Original Color**

39.7704, 0.4571, 0.4024

**Protanomaly**

39.4722, 0.4188, 0.4211

**Deuteranomaly**

39.6927, 0.4406, 0.4149

**Tritanomaly**

39.6349, 0.4202, 0.3488

# Monochromacy



**Original Color**

39.7704, 0.4571, 0.4024

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

38.5940, 0.3636, 0.3629

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7704, 0.4571, 0.4024 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(229, 152, 85)` looks like.

```
.text, #text, p{  
    color:rgb(229, 152, 85)  
}
```

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(229, 152, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 152, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7704, 0.4571, 0.4024 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(229, 152, 85) }
```

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

```
.border{ border-color:rgb(229, 152, 85) }
```

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

Here you see how a box with a 4 pixel rgb(229, 152, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 152, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 152, 85);  
box-shadow:4px 4px 4px 4px rgb(229, 152,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.7704, 0.4571, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 152, 85) }
```

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

```
.background{ background-color: rgb(229,  
152, 85) }
```

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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