

Converting Colors

$Y_{xy}(39.5881, 0.4678, 0.3961)$

Have a look what the booklet for
Yxy(39.5881, 0.4678, 0.3961)
contains.

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Color

Yxy(39.6528, 0.4678, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	EC9454
RGB	236, 148, 84
RGB Percent	93%, 58%, 33%
CMY	0.0745, 0.4196, 0.6707
CMYK	0.00, 0.37, 0.64, 0.07
HSL	25°, 80%, 63%
HSV	25°, 64%, 93%
XYZ	46.7833, 39.6528, 13.5710
YIQ	167.0160, 72.9920, -1.2480

Conversions

Conversions Part 2

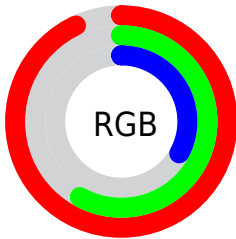
Format	Color
R _Y B	236, 195, 84
Decimal	15504468
CIE Lab	69.22, 27.44, 47.03
CIE LCh	69, 54.452, 59.734
Yxy	39.6528, 0.4678, 0.3965
Android (android.graphics.Color)	4293694548 (0xFFEC9454)
YUV	167.0160, -40.9269, 60.4990
Hunter-Lab	62.9705, 22.4165, 31.3016

Details

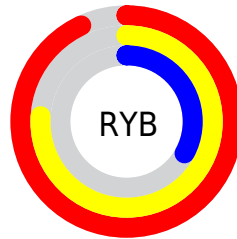
The Yxy color **39.6528, 0.4678, 0.3965** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.4387, 0.2153, 0.2403**, and the grayscale version is **38.8287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7211, 0.4064, 0.3989**, and **17.9008, 0.5082, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **35.3093, 0.4992, 0.4007**, and if you desaturate by 10%, it is **44.6308, 0.4367, 0.3887**.

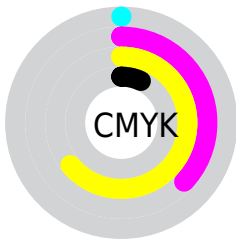
Distribution



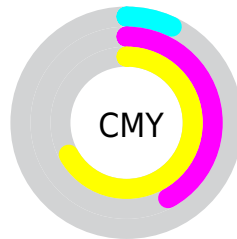
- Red (93%)
- Green (58%)
- Blue (33%)



- Red (93%)
- Yellow (76%)
- Blue (33%)



- Cyan (0%)
- Magenta (37%)
- Yellow (64%)
- Black (7%)




- Cyan (7%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6528, 0.4678, 0.3965 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 39.6528, 0.4678, 0.3965 by changing the saturation by 10% instead.

 39.6528, 0.4678,
0.3965


 39.6528, 0.4678,
0.3965


344.6580, 0.3899,
0.3686

 27.2679, 0.4862,
0.4008


 74.6345, 0.4400,
0.3882

 17.7746, 0.5086,
0.4046


 98.0002, 0.4294,
0.3845


 10.7883, 0.5361,
0.4066


 125.7949, 0.4203,
0.3811

 5.9246, 0.5758,
0.4080

 158.4030, 0.4125,
0.3781

 2.7993, 0.6101,
0.3899

 196.2090, 0.4057,
0.3753

 1.0279, 0.6512,
0.3488

239.5972, 0.3998,

 0.0000, 1.0000,

0.3728

0.0000

288.9521, 0.3946,
0.3706

■ 0.0000, 0.0000,
0.0000

■ 39.6528, 0.4678,
0.3965

■ 39.6528, 0.4678,
0.3965

■ 35.3093, 0.4992,
0.4007

■ 44.6308, 0.4367,
0.3887

■ 31.5635, 0.5287,
0.4000

■ 50.2650, 0.4075,
0.3786


■ 28.3829, 0.5540,
0.3938


■ 56.5835, 0.3811,
0.3674


■ 26.8320, 0.5662,
0.3886

■ 63.6105, 0.3577,
0.3558

■ 71.3690, 0.3373,
0.3444

 79.8809, 0.3197,
0.3336

 89.1668, 0.3046,
0.3234

 96.5740, 0.3011,
0.3290

Harmonies

Analogous

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



39.6528, 0.4619, 0.3380



39.6528, 0.4678, 0.3965



39.6528, 0.4283, 0.4497

Triad

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



39.6528, 0.4678, 0.3965



39.6528, 0.2199, 0.3745



39.6528, 0.2507, 0.2132

Complementary

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



39.6528, 0.4678, 0.3965



37.4387, 0.2153, 0.2403

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.



39.6528, 0.1996, 0.2104



39.6528, 0.4678, 0.3965



39.6528, 0.1830, 0.2911

Square

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



39.6528, 0.4678, 0.3965



39.6528, 0.2844, 0.4513



39.6528, 0.1768, 0.2349



39.6528, 0.3260, 0.2390

Rectangle

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



39.6528, 0.4678, 0.3965



39.6528, 0.3852, 0.4727



39.6528, 0.1768, 0.2349



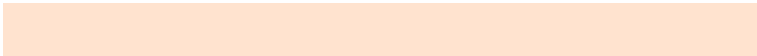
39.6528, 0.2306, 0.2095

Sweetspot

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



39.6548, 0.4678, 0.3965



80.6561, 0.3464, 0.3497



27.1756, 0.3948, 0.2370



16.7011, 0.3524, 0.3530



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.



39.6548, 0.4678, 0.3965



40.7224, 0.5081, 0.4010



71.4298, 0.4097, 0.4670



16.0966, 0.3282, 0.3390



15.0328, 0.5634, 0.3909



1.3670, 0.5388, 0.4104

Inverse Universe

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



37.4387, 0.2153, 0.2403



37.7622, 0.2009, 0.2189



16.4250, 0.1907, 0.1360



15.9973, 0.2981, 0.3188



13.4013, 0.1848, 0.1851



1.2420, 0.1908, 0.2069

Previews

White Background



This preview shows how the Yxy color 39.6528, 0.4678, 0.3965 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 39.6528, 0.4678, 0.3965 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 39.6528, 0.4678, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 39.6528, 0.4678, 0.3965.



This preview shows how white text looks on a background with the Yxy color 39.6528, 0.4678, 0.3965.

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

39.6528, 0.4678, 0.3965

Protanopia

40.0696, 0.3973, 0.4331

Deuteranopia

39.6391, 0.4336, 0.4241



Tritanopia

39.5158, 0.4084, 0.3170

Trichromacy



Original Color

39.6528, 0.4678, 0.3965

Protanomaly

39.5244, 0.4234, 0.4198

Deuteranomaly

39.4462, 0.4467, 0.4134

Tritanomaly

39.5279, 0.4324, 0.3471

Monochromacy



Original Color

39.6528, 0.4678, 0.3965

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.1542, 0.3664, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6528, 0.4678, 0.3965 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(236, 148, 84)` looks like.

```
.text, #text, p{  
    color:rgb(236, 148, 84)  
}
```

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(236, 148, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 148, 84) }
```

Border

The CSS property to change the border of an element to Yxy 39.6528, 0.4678, 0.3965 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(236, 148, 84) }
```

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

```
.border{ border-color:rgb(236, 148, 84) }
```

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

Here you see how a box with a 4 pixel rgb(236, 148, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 148, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 148, 84);  
box-shadow:4px 4px 4px 4px rgb(236, 148,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6528, 0.4678, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 148, 84) }
```

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

```
.background{ background-color: rgb(236,  
148, 84) }
```

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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