

Converting Colors

Yxy(34.6683, 0.4967, 0.3905)

Have a look what the booklet for
Yxy(34.6683, 0.4967, 0.3905)
contains.

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Color

Yxy(34.6668, 0.4969, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	ED8345
RGB	237, 131, 69
RGB Percent	93%, 51%, 27%
CMY	0.0706, 0.4862, 0.7294
CMYK	0.00, 0.45, 0.71, 0.07
HSL	22°, 82%, 60%
HSV	22°, 71%, 93%
XYZ	44.1125, 34.6668, 9.9961
YIQ	155.6260, 83.0780, 3.1900

Conversions

Conversions Part 2

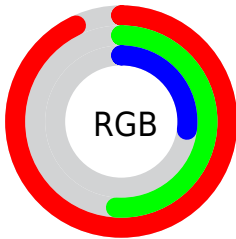
Format	Color
R _Y B	237, 167, 69
Decimal	15565637
CIE Lab	65.49, 35.88, 50.27
CIE LCh	65, 61.762, 54.488
Yxy	34.6668, 0.4969, 0.3905
Android (android.graphics.Color)	4293755717 (0xFFED8345)
YUV	155.6260, -42.7066, 71.3650
Hunter-Lab	58.8785, 30.6970, 31.1490

Details

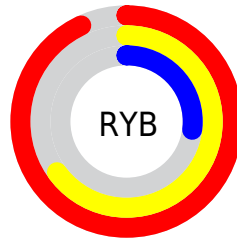
The Yxy color **34.6668, 0.4969, 0.3905** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **38.0276, 0.2109, 0.2425**, and the grayscale version is **33.2381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3140, 0.4279, 0.3957**, and **14.8950, 0.5449, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **30.6999, 0.5300, 0.3906**, and if you desaturate by 10%, it is **39.3343, 0.4628, 0.3861**.

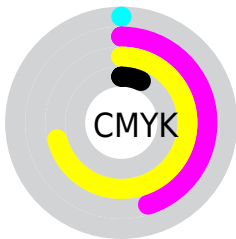
Distribution



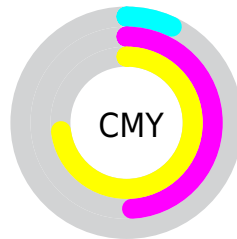
- Red (93%)
- Green (51%)
- Blue (27%)



- Red (93%)
- Yellow (65%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6668, 0.4969, 0.3905 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 34.6668, 0.4969, 0.3905 by changing the saturation by 10% instead.


 34.6668, 0.4969,
0.3905

 34.6668, 0.4969,
0.3905


323.0952, 0.4031,
0.3679


 23.4063, 0.5189,
0.3924


 66.9693, 0.4634,
0.3849


 14.8938, 0.5457,
0.3923


 88.7800, 0.4506,
0.3820

 8.7449, 0.5781,
0.3880


 114.8764, 0.4396,
0.3792

 4.5752, 0.6219,
0.3781

 145.6426, 0.4302,
0.3765

 2.0002, 0.6576,
0.3424

 181.4633, 0.4221,
0.3741

 0.6076, 0.7264,
0.2736

222.7226, 0.4149,

 0.0000, 1.0000,

0.3719

0.0000

269.8051, 0.4087,
0.3698

■ 0.0000, 0.0000,
0.0000

■ 34.6668, 0.4969,
0.3905

■ 34.6668, 0.4969,
0.3905

■ 30.6999, 0.5300,
0.3906

■ 39.3343, 0.4628,
0.3861

■ 27.3885, 0.5592,
0.3855

■ 44.7325, 0.4302,
0.3786


■ 24.8981, 0.5809,
0.3770


■ 50.8962, 0.4002,
0.3693

■ 57.8560, 0.3737,
0.3592

■ 65.6407, 0.3507,
0.3490

 74.2773, 0.3309,
0.3391

 83.7919, 0.3141,
0.3298

 93.9759, 0.3018,
0.3247

 96.7424, 0.3017,
0.3290

Harmonies

Analogous

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



34.6668, 0.4818, 0.3248



34.6668, 0.4969, 0.3905



34.6668, 0.4557, 0.4560

Triad

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



34.6668, 0.4969, 0.3905



34.6668, 0.2143, 0.4016



34.6668, 0.2274, 0.1937

Complementary

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



34.6668, 0.4969, 0.3905



38.0276, 0.2109, 0.2425

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.



34.6668, 0.1758, 0.1946



34.6668, 0.4969, 0.3905



34.6668, 0.1675, 0.2974

Square

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



34.6668, 0.4969, 0.3905



34.6668, 0.2920, 0.4884



34.6668, 0.1559, 0.2266



34.6668, 0.3104, 0.2186

Rectangle

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



34.6668, 0.4969, 0.3905



34.6668, 0.4077, 0.4910



34.6668, 0.1559, 0.2266



34.6668, 0.2065, 0.1910

Sweetspot

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



34.6686, 0.4969, 0.3905



77.3269, 0.3511, 0.3492



25.3690, 0.3950, 0.2235



15.9855, 0.3572, 0.3520



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.



34.6686, 0.4969, 0.3905



34.4215, 0.5436, 0.3890



66.8238, 0.4228, 0.4694



15.9648, 0.3284, 0.3378



13.8249, 0.5779, 0.3793



1.2641, 0.5518, 0.4001

Inverse Universe

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



38.0276, 0.2109, 0.2425



38.2900, 0.1980, 0.2218



14.9291, 0.1819, 0.1262



16.1328, 0.2981, 0.3201



15.4208, 0.1899, 0.2035



1.3937, 0.1952, 0.2228

Previews

White Background



This preview shows how the Yxy color 34.6668, 0.4969, 0.3905 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 34.6668, 0.4969, 0.3905 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 34.6668, 0.4969, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 34.6668, 0.4969, 0.3905.



This preview shows how white text looks on a background with the Yxy color 34.6668, 0.4969, 0.3905.

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

34.6668, 0.4969, 0.3905

Protanopia

34.9218, 0.4030, 0.4418

Deuteranopia

34.8324, 0.4431, 0.4355



Tritanopia

34.6340, 0.4371, 0.3195

Trichromacy



Original Color

34.6668, 0.4969, 0.3905

Protanomaly

34.0087, 0.4376, 0.4216

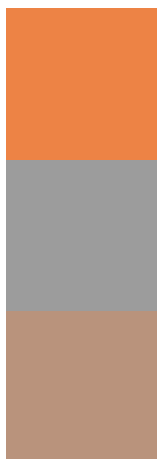
Deuteranomaly

34.3369, 0.4635, 0.4176

Tritanomaly

34.6553, 0.4615, 0.3477

Monochromacy



Original Color

34.6668, 0.4969, 0.3905

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.6370, 0.3774, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6668, 0.4969, 0.3905 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(237, 131, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 131, 69)  
}
```

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(237, 131, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 131, 69) }
```

Border

The CSS property to change the border of an element to Yxy 34.6668, 0.4969, 0.3905 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(237, 131, 69) }
```

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

```
.border{ border-color:rgb(237, 131, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 131, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 131, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 131, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 131,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6668, 0.4969, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 131, 69) }
```

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

```
.background{ background-color: rgb(237,  
131, 69) }
```

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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