

Converting Colors

$Y_{xy}(34.0472, 0.4957, 0.3938)$

Have a look what the booklet for
Yxy(34.0472, 0.4957, 0.3938)
contains.

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Color

Yxy(33.9615, 0.4951, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	E98343
RGB	233, 131, 67
RGB Percent	91%, 51%, 26%
CMY	0.0863, 0.4862, 0.7372
CMYK	0.00, 0.44, 0.71, 0.09
HSL	23°, 79%, 59%
HSV	23°, 71%, 91%
XYZ	42.7302, 33.9615, 9.6145
YIQ	154.2020, 81.3360, 1.7200

Conversions

Conversions Part 2

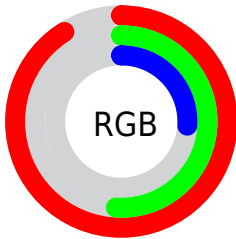
Format	Color
R _{YB}	233, 171, 67
Decimal	15303491
CIE _{Lab}	64.93, 34.19, 50.48
CIE _{LCh}	65, 60.965, 55.891
Yxy	33.9615, 0.4951, 0.3935
Android (android.graphics.Color)	4293493571 (0xFFE98343)
YUV	154.2020, -42.9906, 69.1058
Hunter-Lab	58.2765, 28.8981, 31.0118

Details

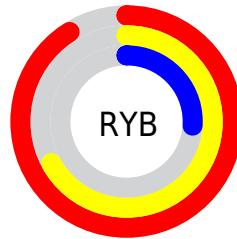
The Yxy color **33.9615, 0.4951, 0.3935** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **35.4435, 0.2095, 0.2380**, and the grayscale version is **32.5761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2659, 0.4294, 0.3975**, and **14.5425, 0.5438, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **30.1540, 0.5273, 0.3938**, and if you desaturate by 10%, it is **38.4162, 0.4619, 0.3888**.

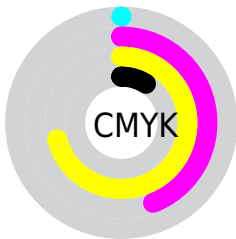
Distribution



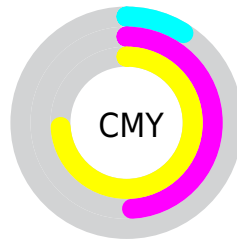
- Red (91%)
- Green (51%)
- Blue (26%)



- Red (91%)
- Yellow (67%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (71%)
- Black (9%)





- Cyan (9%)
- Magenta (49%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9615, 0.4951, 0.3935 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 33.9615, 0.4951, 0.3935 by changing the saturation by 10% instead.


 33.9615, 0.4951,
0.3935


 33.9615, 0.4951,
0.3935


319.9603, 0.4020,
0.3692

 22.8640, 0.5170,
0.3958


 65.8738, 0.4619,
0.3873


 14.4931, 0.5434,
0.3961


 87.4574, 0.4491,
0.3841


 8.4644, 0.5759,
0.3925


 113.3052, 0.4383,
0.3811

 4.3935, 0.6179,
0.3821

 143.8015, 0.4289,
0.3783

 1.8961, 0.6534,
0.3466

 179.3308, 0.4209,
0.3757

 0.5460, 0.7284,
0.2716

220.2774, 0.4138,

 0.0000, 1.0000,

0.3733

0.0000

267.0258, 0.4076,
0.3712

■ 0.0000, 0.0000,
0.0000

■ 33.9615, 0.4951,
0.3935

■ 33.9615, 0.4951,
0.3935

■ 30.1540, 0.5273,
0.3938

■ 38.4162, 0.4619,
0.3888

■ 26.9524, 0.5556,
0.3888

■ 43.5451, 0.4298,
0.3810


■ 24.6077, 0.5762,
0.3807


■ 49.3799, 0.4004,
0.3714


■ 55.9483, 0.3741,
0.3609

■ 63.2766, 0.3512,
0.3502

 71.3892, 0.3315,
0.3399

 80.3099, 0.3146,
0.3302

 90.0611, 0.3002,
0.3211

 96.0610, 0.2993,
0.3290

Harmonies

Analogous

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



33.9615, 0.4829, 0.3279



33.9615, 0.4951, 0.3935



33.9615, 0.4521, 0.4583

Triad

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



33.9615, 0.4951, 0.3935



33.9615, 0.2119, 0.3961



33.9615, 0.2311, 0.1950

Complementary

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



33.9615, 0.4951, 0.3935



35.4435, 0.2095, 0.2380

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.



33.9615, 0.1781, 0.1946



33.9615, 0.4951, 0.3935



33.9615, 0.1670, 0.2935

Square

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



33.9615, 0.4951, 0.3935



33.9615, 0.2882, 0.4847



33.9615, 0.1569, 0.2249



33.9615, 0.3149, 0.2209

Rectangle

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



33.9615, 0.4951, 0.3935



33.9615, 0.4036, 0.4920



33.9615, 0.1569, 0.2249



33.9615, 0.2098, 0.1918

Sweetspot

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



33.9633, 0.4951, 0.3935



77.7945, 0.3509, 0.3501



24.2146, 0.3995, 0.2260



16.0958, 0.3569, 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.



33.9633, 0.4951, 0.3935



35.2808, 0.5397, 0.3924



65.6276, 0.4211, 0.4719



16.0065, 0.3283, 0.3381



14.1877, 0.5734, 0.3829



1.2955, 0.5477, 0.4033

Inverse Universe

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



35.4435, 0.2095, 0.2380



36.9187, 0.1966, 0.2167



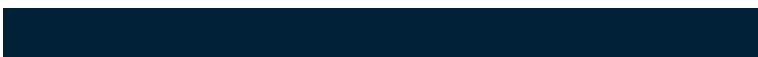
13.7913, 0.1806, 0.1222



16.0897, 0.2981, 0.3197



14.7573, 0.1882, 0.1977



1.3442, 0.1938, 0.2178

Previews

White Background



This preview shows how the Yxy color 33.9615, 0.4951, 0.3935 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 33.9615, 0.4951, 0.3935 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 33.9615, 0.4951, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 33.9615, 0.4951, 0.3935.



This preview shows how white text looks on a background with the Yxy color 33.9615, 0.4951, 0.3935.

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

33.9615, 0.4951, 0.3935

Protanopia

34.0757, 0.4057, 0.4434

Deuteranopia

34.0308, 0.4455, 0.4356



Tritanopia

34.1133, 0.4341, 0.3194

Trichromacy



Original Color

33.9615, 0.4951, 0.3935

Protanomaly

33.3835, 0.4389, 0.4244

Deuteranomaly

33.7167, 0.4641, 0.4192

Tritanomaly

34.1157, 0.4598, 0.3490

Monochromacy



Original Color

33.9615, 0.4951, 0.3935

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.0302, 0.3778, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9615, 0.4951, 0.3935 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(233, 131, 67)` looks like.

```
.text, #text, p{  
    color:rgb(233, 131, 67)  
}
```

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(233, 131, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 131, 67) }
```

Border

The CSS property to change the border of an element to Yxy 33.9615, 0.4951, 0.3935 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(233, 131, 67) }
```

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

```
.border{ border-color:rgb(233, 131, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 131, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 131, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 131, 67);  
box-shadow:4px 4px 4px 4px rgb(233, 131,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9615, 0.4951, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 131, 67) }
```

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

```
.background{ background-color: rgb(233,  
131, 67) }
```

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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