

Converting Colors

$Y_{xy}(33.5575, 0.5048, 0.4249)$

Have a look what the booklet for
Yxy(33.5575, 0.5048, 0.4249)
contains.

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Color

Yxy(33.5443, 0.5043, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	E0881D
RGB	224, 136, 29
RGB Percent	88%, 53%, 11%
CMY	0.1216, 0.4666, 0.8861
CMYK	0.00, 0.39, 0.87, 0.12
HSL	33°, 77%, 50%
HSV	33°, 87%, 88%
XYZ	39.7658, 33.5443, 5.5434
YIQ	150.1140, 86.7950, -14.6210

Conversions

Conversions Part 2

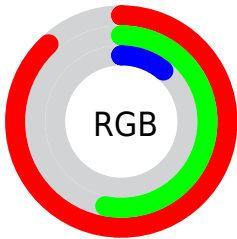
Format	Color
R _Y B	189, 224, 29
Decimal	14714909
CIE Lab	64.60, 26.55, 64.84
CIE LCh	65, 70.064, 67.731
Yxy	33.5443, 0.5043, 0.4254
Android (android.graphics.Color)	4292904989 (0xFFE0881D)
YUV	150.1140, -59.7092, 64.7980
Hunter-Lab	57.9174, 21.2017, 34.8674

Details

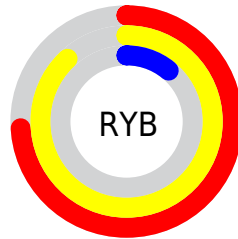
The Yxy color **33.5443, 0.5043, 0.4254** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **18.3720, 0.1820, 0.1645**, and the grayscale version is **30.7841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7588, 0.4477, 0.4289**, and **14.3370, 0.5303, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **30.7569, 0.5229, 0.4208**, and if you desaturate by 10%, it is **36.6834, 0.4820, 0.4246**.

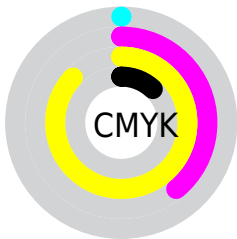
Distribution



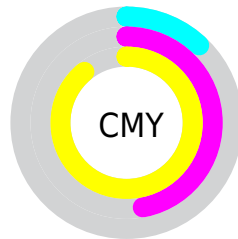
- Red (88%)
- Green (53%)
- Blue (11%)



- Red (74%)
- Yellow (88%)
- Blue (11%)



- Cyan (0%)
- Magenta (39%)
- Yellow (87%)
- Black (12%)





- Cyan (12%)
- Magenta (47%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5443, 0.5043, 0.4254 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 33.5443, 0.5043, 0.4254 by changing the saturation by 10% instead.


 33.5443, 0.5043,
0.4254

 33.5443, 0.5043,
0.4254


318.0953, 0.4109,
0.3886

 22.5437, 0.5237,
0.4287


 65.2244, 0.4727,
0.4161


 14.2570, 0.5454,
0.4292


 86.6727, 0.4600,
0.4113

 8.2996, 0.5729,
0.4271


 112.3724, 0.4489,
0.4067

 4.2873, 0.5922,
0.4078

 142.7079, 0.4393,
0.4025

 1.8355, 0.6223,
0.3777

 178.0635, 0.4308,
0.3986

 0.5092, 0.6962,
0.3038

 218.8237, 0.4234,

 0.0000, 1.0000,

0.3950

0.0000

265.3728, 0.4168,
0.3917

0.0000, 0.0000,
0.0000

33.5443, 0.5043,
0.4254

33.5443, 0.5043,
0.4254

30.7569, 0.5229,
0.4208

36.6834, 0.4820,
0.4246

29.9883, 0.5281,
0.4189

40.1919, 0.4573,
0.4187

44.0902, 0.4318,
0.4089

48.3953, 0.4067,
0.3963

53.1227, 0.3829,
0.3821

■ 58.2866, 0.3610,
0.3674

■ 63.9005, 0.3413,
0.3527

■ 69.9773, 0.3238,
0.3385

■ 76.5291, 0.3083,
0.3251

Harmonies

Analogous

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



33.5443, 0.5214, 0.3519



33.5443, 0.5043, 0.4254



33.5443, 0.4351, 0.4971

Triad

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



33.5443, 0.5043, 0.4254



33.5443, 0.1731, 0.3555



33.5443, 0.2530, 0.1877

Complementary

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



33.5443, 0.5043, 0.4254



18.3720, 0.1820, 0.1645

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.



33.5443, 0.1806, 0.1754



33.5443, 0.5043, 0.4254



33.5443, 0.1409, 0.2498

Square

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



33.5443, 0.5043, 0.4254



33.5443, 0.2450, 0.4790



33.5443, 0.1445, 0.1929



33.5443, 0.3587, 0.2258

Rectangle

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



33.5443, 0.5043, 0.4254



33.5443, 0.3738, 0.5285



33.5443, 0.1445, 0.1929



33.5443, 0.2246, 0.1806

Sweetspot

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



33.5461, 0.5043, 0.4254



78.8135, 0.3593, 0.3661



18.0837, 0.4795, 0.2508



16.3337, 0.3666, 0.3713



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.



33.5461, 0.5043, 0.4254



39.9911, 0.5291, 0.4181



68.2257, 0.4113, 0.5044



14.9409, 0.3278, 0.3419



17.6890, 0.5260, 0.4205



1.4043, 0.5051, 0.4371

Inverse Universe

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



18.3720, 0.1820, 0.1645



19.5011, 0.1718, 0.1385



6.6290, 0.1583, 0.0718



14.2570, 0.2981, 0.3158



8.7838, 0.1729, 0.1425



0.7859, 0.1811, 0.1721

Previews

White Background



This preview shows how the Yxy color 33.5443, 0.5043, 0.4254 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 33.5443, 0.5043, 0.4254 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 33.5443, 0.5043, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 33.5443, 0.5043, 0.4254.



This preview shows how white text looks on a background with the Yxy color 33.5443, 0.5043, 0.4254.

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

33.5443, 0.5043, 0.4254

Protanopia

33.9222, 0.4312, 0.4771

Deuteranopia

33.5477, 0.4679, 0.4596



Tritanopia

33.6143, 0.4207, 0.3189

Trichromacy



Original Color

33.5443, 0.5043, 0.4254

Protanomaly

33.3918, 0.4583, 0.4578

Deuteranomaly

33.2738, 0.4815, 0.4468

Tritanomaly

33.1592, 0.4622, 0.3665

Monochromacy



Original Color

33.5443, 0.5043, 0.4254

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6385, 0.3885, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5443, 0.5043, 0.4254 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(224, 136, 29)` looks like.

```
.text, #text, p{  
    color:rgb(224, 136, 29)  
}
```

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(224, 136, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 136, 29) }
```

Border

The CSS property to change the border of an element to Yxy 33.5443, 0.5043, 0.4254 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(224, 136, 29) }
```

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

```
.border{ border-color:rgb(224, 136, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 136, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 136, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 136, 29);  
box-shadow:4px 4px 4px 4px rgb(224, 136,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5443, 0.5043, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 136, 29) }
```

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

```
.background{ background-color: rgb(224,  
136, 29) }
```

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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