

Converting Colors

$Y_{xy}(33.0512, 0.5332, 0.4148)$

Have a look what the booklet for
Yxy(33.0512, 0.5332, 0.4148)
contains.

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Color

Yxy(32.9262, 0.5336, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	ED7E00
RGB	237, 126, 0
RGB Percent	93%, 49%, 0%
CMY	0.0706, 0.5059, 0.9998
CMYK	0.00, 0.47, 1.00, 0.07
HSL	32°, 100%, 46%
HSV	32°, 100%, 93%
XYZ	42.3870, 32.9262, 4.1227
YIQ	144.8250, 106.6020, -15.6540

Conversions

Conversions Part 2

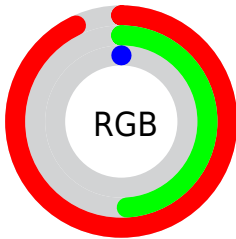
Format	Color
R _Y B	209, 237, 0
Decimal	15564288
CIE Lab	64.10, 36.74, 70.95
CIE LCh	64, 79.895, 62.622
Yxy	32.9262, 0.5336, 0.4145
Android (android.graphics.Color)	4293754368 (0xFFED7E00)
YUV	144.8250, -71.3987, 80.8375
Hunter-Lab	57.3814, 31.4388, 35.9071

Details

The Yxy color **32.9262, 0.5336, 0.4145** 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 **17.4960, 0.1736, 0.1448**, and the grayscale version is **28.5074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3574, 0.4643, 0.4300**, and **14.0308, 0.5601, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **32.9210, 0.5336, 0.4145**, and if you desaturate by 10%, it is **35.9917, 0.5151, 0.4209**.

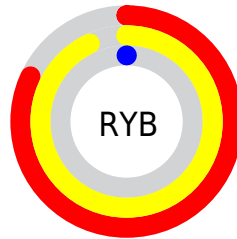
Distribution



Red (93%)

Green (49%)

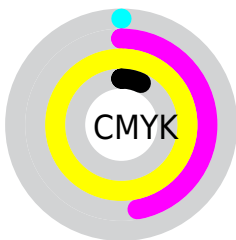
Blue (0%)



Red (82%)

Yellow (93%)

Blue (0%)

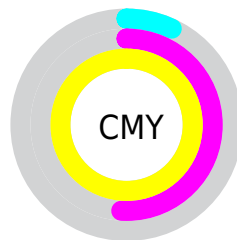


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9262, 0.5336, 0.4145 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 32.9262, 0.5336, 0.4145 by changing the saturation by 10% instead.


 32.9262, 0.5336,
0.4145


 32.9262, 0.5336,
0.4145


315.3171, 0.4274,
0.3883


 22.0699, 0.5547,
0.4136


 64.2603, 0.4984,
0.4104

 13.9083, 0.5798,
0.4097


 85.5069, 0.4840,
0.4071


 8.0569, 0.6036,
0.3964


 110.9857, 0.4714,
0.4037

 4.1314, 0.6289,
0.3711

 141.0812, 0.4603,
0.4004

 1.7473, 0.6676,
0.3324

 176.1776, 0.4506,
0.3971


 0.4540, 0.7588,
0.2412

 216.6595, 0.4420,


 0.0000, 1.0000,

0.3940


0.0000

 262.9112, 0.4343,
0.3911


 0.0000, 0.0000,
0.0000


 32.9262, 0.5336,
0.4145

 32.9262, 0.5336,
0.4145

 32.9210, 0.5336,
0.4145

 35.9917, 0.5151,
0.4209

 39.4596, 0.4930,
0.4222

 43.3657, 0.4679,
0.4182

 47.7338, 0.4417,
0.4098

 52.5847, 0.4155,
0.3983

■ 57.9377, 0.3907,
0.3849

■ 63.8104, 0.3678,
0.3706

■ 70.2194, 0.3472,
0.3562

■ 77.1805, 0.3288,
0.3422

Harmonies

Analogous

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



32.9262, 0.5448, 0.3360



32.9262, 0.5336, 0.4145



32.9262, 0.4597, 0.4994

Triad

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



32.9262, 0.5336, 0.4145



32.9262, 0.1655, 0.3832



32.9262, 0.2279, 0.1685

Complementary

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



32.9262, 0.5336, 0.4145



17.4960, 0.1736, 0.1448

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.



32.9262, 0.1567, 0.1598



32.9262, 0.5336, 0.4145



32.9262, 0.1254, 0.2529

Square

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



32.9262, 0.5336, 0.4145



32.9262, 0.2499, 0.5243



32.9262, 0.1243, 0.1833



32.9262, 0.3416, 0.2051

Rectangle

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



32.9262, 0.5336, 0.4145



32.9262, 0.3929, 0.5468



32.9262, 0.1243, 0.1833



32.9262, 0.1993, 0.1624

Sweetspot

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



32.9280, 0.5336, 0.4145



75.2427, 0.3681, 0.3708



19.2344, 0.5064, 0.2563



15.4613, 0.3776, 0.3769



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.



32.9280, 0.5336, 0.4145



38.7401, 0.5342, 0.4141



77.9028, 0.4164, 0.5076



16.3798, 0.3280, 0.3415



18.2387, 0.5313, 0.4164



1.6246, 0.5116, 0.4320

Inverse Universe

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



17.4960, 0.1736, 0.1448



20.5225, 0.1734, 0.1440



6.1417, 0.1504, 0.0602



15.7124, 0.2980, 0.3161



9.8060, 0.1744, 0.1477



0.9611, 0.1816, 0.1737

Previews

White Background



This preview shows how the Yxy color 32.9262, 0.5336, 0.4145 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 32.9262, 0.5336, 0.4145 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 32.9262, 0.5336, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 32.9262, 0.5336, 0.4145.



This preview shows how white text looks on a background with the Yxy color 32.9262, 0.5336, 0.4145.

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

32.9262, 0.5336, 0.4145

Protanopia

33.0575, 0.4371, 0.4830

Deuteranopia

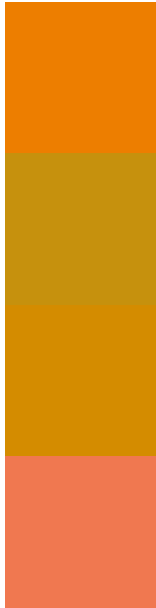
33.0501, 0.4716, 0.4637



Tritanopia

32.9040, 0.4518, 0.3208

Trichromacy



Original Color

32.9262, 0.5336, 0.4145

Protanomaly

32.2856, 0.4742, 0.4572

Deuteranomaly

32.7532, 0.4958, 0.4445

Tritanomaly

32.5374, 0.5001, 0.3690

Monochromacy



Original Color

32.9262, 0.5336, 0.4145

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4146, 0.4089, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9262, 0.5336, 0.4145 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 126, 0)  
}
```

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, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.9262, 0.5336, 0.4145 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, 126, 0) }
```

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

```
.border{ border-color:rgb(237, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9262, 0.5336, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 126, 0) }
```

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

```
.background{ background-color: rgb(237,  
126, 0) }
```

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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