

Converting Colors

$Y_{xy}(32.8017, 0.5355, 0.4126)$

Have a look what the booklet for
Yxy(32.8017, 0.5355, 0.4126)
contains.

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Color

Yxy(32.8466, 0.5354, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	EE7D01
RGB	238, 125, 1
RGB Percent	93%, 49%, 0%
CMY	0.0666, 0.5098, 0.9963
CMYK	0.00, 0.47, 1.00, 0.07
HSL	31°, 99%, 47%
HSV	31°, 100%, 93%
XYZ	42.6019, 32.8466, 4.1217
YIQ	144.6510, 107.1520, -14.6080

Conversions

Conversions Part 2

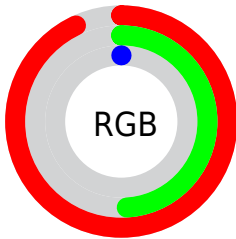
Format	Color
RYB	217, 238, 1
Decimal	15629569
CIELab	64.04, 37.66, 70.84
CIElCh	64, 80.230, 62.002
Yxy	32.8466, 0.5354, 0.4128
Android (android.graphics.Color)	4293819649 (0xFFEE7D01)
YUV	144.6510, -70.8199, 81.8671
Hunter-Lab	57.3120, 32.3892, 35.8544

Details

The Yxy color **32.8466, 0.5354, 0.4128** 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 **18.2065, 0.1745, 0.1481**, and the grayscale version is **28.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9551, 0.4652, 0.4291**, and **14.0115, 0.5625, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **32.7316, 0.5361, 0.4125**, and if you desaturate by 10%, it is **35.9543, 0.5165, 0.4193**.

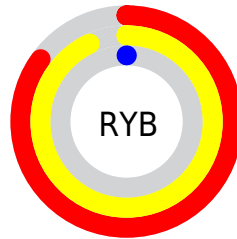
Distribution



Red (93%)

Green (49%)

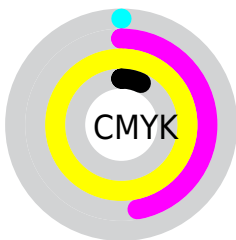
Blue (0%)



Red (85%)

Yellow (93%)

Blue (0%)

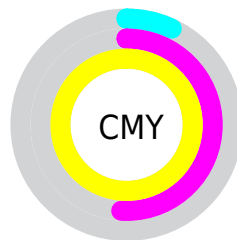


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8466, 0.5354, 0.4128 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 32.8466, 0.5354, 0.4128 by changing the saturation by 10% instead.


 32.8466, 0.5354,
0.4128


 32.8466, 0.5354,
0.4128


314.9579, 0.4282,
0.3877

 22.0090, 0.5567,
0.4116


 64.1360, 0.4998,
0.4090


 13.8635, 0.5821,
0.4074


 85.3565, 0.4853,
0.4060

 8.0258, 0.6064,
0.3936


 110.8067, 0.4726,
0.4027

 4.1114, 0.6321,
0.3679

 140.8711, 0.4614,
0.3994

 1.7361, 0.6716,
0.3284

 175.9340, 0.4516,
0.3962


 0.4469, 0.7645,
0.2355

 216.3799, 0.4429,


 0.0000, 1.0000,

0.3932


0.0000


 262.5931, 0.4352,
0.3903


 0.0000, 0.0000,
0.0000


 32.8466, 0.5354,
0.4128


 32.8466, 0.5354,
0.4128

 32.7316, 0.5361,
0.4125

 35.9543, 0.5165,
0.4193

 39.4807, 0.4938,
0.4206

 43.4615, 0.4683,
0.4166

 47.9210, 0.4416,
0.4083

 52.8807, 0.4152,
0.3968

■ 58.3604, 0.3902,
0.3836

■ 64.3784, 0.3672,
0.3695

■ 70.9519, 0.3465,
0.3553

■ 78.0972, 0.3282,
0.3415

Harmonies

Analogous

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



32.8466, 0.5452, 0.3343



32.8466, 0.5354, 0.4128



32.8466, 0.4620, 0.4981

Triad

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



32.8466, 0.5354, 0.4128



32.8466, 0.1662, 0.3866



32.8466, 0.2256, 0.1675

Complementary

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



32.8466, 0.5354, 0.4128



18.2065, 0.1745, 0.1481

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.



32.8466, 0.1551, 0.1593



32.8466, 0.5354, 0.4128



32.8466, 0.1252, 0.2545

Square

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



32.8466, 0.5354, 0.4128



32.8466, 0.2516, 0.5276



32.8466, 0.1234, 0.1836



32.8466, 0.3390, 0.2037

Rectangle

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



32.8466, 0.5354, 0.4128



32.8466, 0.3952, 0.5465



32.8466, 0.1234, 0.1836



32.8466, 0.1973, 0.1615

Sweetspot

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



32.8484, 0.5354, 0.4128



74.9129, 0.3683, 0.3702



19.4499, 0.5055, 0.2561



15.3832, 0.3778, 0.3762



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.



32.8484, 0.5354, 0.4128



38.1545, 0.5367, 0.4121



78.6607, 0.4163, 0.5075



17.1276, 0.3280, 0.3414



18.5201, 0.5338, 0.4143



1.7399, 0.5147, 0.4296

Inverse Universe

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



18.2065, 0.1745, 0.1481



21.0324, 0.1741, 0.1467



6.2260, 0.1505, 0.0604



16.4719, 0.2980, 0.3163



10.3459, 0.1751, 0.1502



1.0587, 0.1819, 0.1747

Previews

White Background



This preview shows how the Yxy color 32.8466, 0.5354, 0.4128 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 32.8466, 0.5354, 0.4128 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 32.8466, 0.5354, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 32.8466, 0.5354, 0.4128.



This preview shows how white text looks on a background with the Yxy color 32.8466, 0.5354, 0.4128.

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

32.8466, 0.5354, 0.4128

Protanopia

33.0575, 0.4371, 0.4830

Deuteranopia

33.0501, 0.4716, 0.4637



Tritanopia

32.8233, 0.4547, 0.3209

Trichromacy



Original Color

32.8466, 0.5354, 0.4128

Protanomaly

32.4220, 0.4751, 0.4564

Deuteranomaly

32.7532, 0.4958, 0.4445

Tritanomaly

32.4589, 0.5028, 0.3686

Monochromacy



Original Color

32.8466, 0.5354, 0.4128

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.5510, 0.4090, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8466, 0.5354, 0.4128 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(238, 125, 1)` looks like.

```
.text, #text, p{  
    color:rgb(238, 125, 1)  
}
```

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(238, 125, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 125, 1) }
```

Border

The CSS property to change the border of an element to Yxy 32.8466, 0.5354, 0.4128 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(238, 125, 1) }
```

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

```
.border{ border-color:rgb(238, 125, 1) }
```

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

Here you see how a box with a 4 pixel rgb(238, 125, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 125, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 125, 1);  
box-shadow:4px 4px 4px 4px rgb(238, 125,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8466, 0.5354, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 125, 1) }
```

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

```
.background{ background-color: rgb(238,  
125, 1) }
```

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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