

Converting Colors

$Y_{xy}(32.3428, 0.5348, 0.4104)$

Have a look what the booklet for
Yxy(32.3428, 0.5348, 0.4104)
contains.

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Color

Yxy(32.4417, 0.5343, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	ED7C0A
RGB	237, 124, 10
RGB Percent	93%, 49%, 4%
CMY	0.0706, 0.5137, 0.9606
CMYK	0.00, 0.48, 0.96, 0.07
HSL	30°, 92%, 48%
HSV	30°, 96%, 93%
XYZ	42.1845, 32.4417, 4.3266
YIQ	144.7910, 103.9420, -11.4980

Conversions

Conversions Part 2

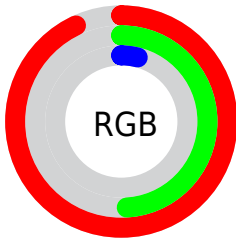
Format	Color
R _Y B	235, 237, 10
Decimal	15563786
CIE Lab	63.71, 37.83, 69.18
CIE LCh	64, 78.846, 61.325
Yxy	32.4417, 0.5343, 0.4109
Android (android.graphics.Color)	4293753866 (0xFFED7C0A)
YUV	144.7910, -66.4520, 80.8673
Hunter-Lab	56.9576, 32.5265, 35.3665

Details

The Yxy color **32.4417, 0.5343, 0.4109** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **20.3475, 0.1790, 0.1619**, and the grayscale version is **28.4732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6088, 0.4639, 0.4256**, and **13.7638, 0.5634, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **31.1999, 0.5424, 0.4076**, and if you desaturate by 10%, it is **35.6718, 0.5131, 0.4162**.

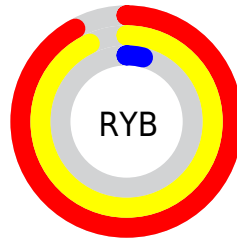
Distribution



Red (93%)

Green (49%)

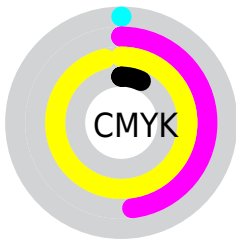
Blue (4%)



Red (92%)

Yellow (93%)

Blue (4%)

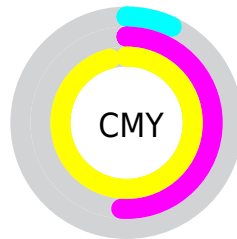


Cyan (0%)

Magenta (48%)

Yellow (96%)

Black (7%)



Cyan (7%)

Magenta (51%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4417, 0.5343, 0.4109 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 32.4417, 0.5343, 0.4109 by changing the saturation by 10% instead.


 32.4417, 0.5343,
0.4109


 32.4417, 0.5343,
0.4109


313.1264, 0.4268,
0.3860


 21.6991, 0.5560,
0.4099


 63.5029, 0.4983,
0.4071


 13.6360, 0.5816,
0.4055


 84.5903, 0.4837,
0.4040


 7.8679, 0.6076,
0.3924


 109.8947, 0.4710,
0.4008

 4.0105, 0.6338,
0.3662

 139.8006, 0.4599,
0.3975

 1.6795, 0.6739,
0.3261

 174.6923, 0.4501,
0.3944


 0.4103, 0.7742,
0.2258

 214.9543, 0.4414,

 0.0000, 1.0000,

0.3914


0.0000

 260.9708, 0.4337,
0.3886

 0.0000, 0.0000,
0.0000

 32.4417, 0.5343,
0.4109


 32.4417, 0.5343,
0.4109


 31.1999, 0.5424,
0.4076

 35.6718, 0.5131,
0.4162

 39.3596, 0.4881,
0.4158

 43.5347, 0.4609,
0.4105

 48.2215, 0.4333,
0.4013

 53.4420, 0.4066,
0.3895

■ 59.2164, 0.3818,
0.3763

■ 65.5635, 0.3593,
0.3626

■ 72.5011, 0.3394,
0.3491

■ 80.0462, 0.3218,
0.3361

Harmonies

Analogous

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



32.4417, 0.5416, 0.3331



32.4417, 0.5343, 0.4109



32.4417, 0.4631, 0.4951

Triad

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



32.4417, 0.5343, 0.4109



32.4417, 0.1694, 0.3895



32.4417, 0.2246, 0.1685

Complementary

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



32.4417, 0.5343, 0.4109



20.3475, 0.1790, 0.1619

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.



32.4417, 0.1555, 0.1611



32.4417, 0.5343, 0.4109



32.4417, 0.1274, 0.2580

Square

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



32.4417, 0.5343, 0.4109



32.4417, 0.2550, 0.5267



32.4417, 0.1247, 0.1862



32.4417, 0.3359, 0.2038

Rectangle

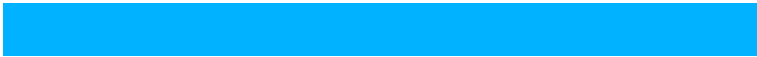
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.4417, 0.5343, 0.4109



32.4417, 0.3974, 0.5430



32.4417, 0.1247, 0.1862



32.4417, 0.1968, 0.1628

Sweetspot

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



32.4435, 0.5343, 0.4109



74.8389, 0.3666, 0.3672



19.6632, 0.4893, 0.2490



15.3347, 0.3762, 0.3731



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.



32.4435, 0.5343, 0.4109



36.7149, 0.5429, 0.4071



78.5847, 0.4187, 0.5042



16.3041, 0.3280, 0.3409



17.2992, 0.5398, 0.4096



1.5509, 0.5187, 0.4263

Inverse Universe

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



20.3475, 0.1790, 0.1619



22.3823, 0.1760, 0.1537



6.3964, 0.1515, 0.0624



15.7877, 0.2981, 0.3169



10.6717, 0.1770, 0.1573



1.0303, 0.1840, 0.1824

Previews

White Background



This preview shows how the Yxy color 32.4417, 0.5343, 0.4109 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 32.4417, 0.5343, 0.4109 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 32.4417, 0.5343, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 32.4417, 0.5343, 0.4109.



This preview shows how white text looks on a background with the Yxy color 32.4417, 0.5343, 0.4109.

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

32.4417, 0.5343, 0.4109

Protanopia

32.4993, 0.4356, 0.4828

Deuteranopia

32.6032, 0.4719, 0.4635



Tritanopia

32.3923, 0.4555, 0.3209

Trichromacy



Original Color

32.4417, 0.5343, 0.4109

Protanomaly

31.8605, 0.4733, 0.4555

Deuteranomaly

32.3229, 0.4955, 0.4434

Tritanomaly

32.0913, 0.4999, 0.3651

Monochromacy



Original Color

32.4417, 0.5343, 0.4109

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.2008, 0.4053, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4417, 0.5343, 0.4109 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, 124, 10)` looks like.

```
.text, #text, p{  
    color:rgb(237, 124, 10)  
}
```

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, 124, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 124, 10) }
```

Border

The CSS property to change the border of an element to Yxy 32.4417, 0.5343, 0.4109 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, 124, 10) }
```

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

```
.border{ border-color:rgb(237, 124, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 124, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 124, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 124, 10);  
box-shadow:4px 4px 4px 4px rgb(237, 124,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4417, 0.5343, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 124, 10) }
```

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

```
.background{ background-color: rgb(237,  
124, 10) }
```

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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