

Converting Colors

XYZ(41.4800, 30.5988, 9.8043)

Have a look what the booklet for
XYZ(41.4800, 30.5988, 9.8043)
contains.

XYZ(41.3468, 30.4511, 9.8293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.3468, 30.4511,
9.8293)**

Conversions

Conversions Part 1

Format	Color
Hex	EA7448
RGB	234, 116, 72
RGB Percent	92%, 45%, 28%
CMY	0.0824, 0.5451, 0.7176
CMYK	0.00, 0.50, 0.69, 0.08
HSL	16°, 79%, 60%
HSV	16°, 69%, 92%
XYZ	41.3468, 30.4511, 9.8293
YIQ	146.2660, 84.4520, 11.3320

Conversions

Conversions Part 2

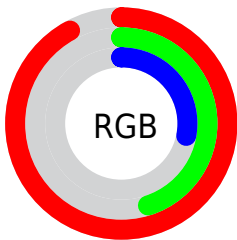
Format	Color
R_{YB}	234, 132, 72
Decimal	15365192
CIE _{Lab}	62.04, 42.47, 44.84
CIE _{LCh}	62, 61.755, 46.554
Yxy	30.4511, 0.5065, 0.3731
Android (android.graphics.Color)	4293555272 (0xFFEA7448)
YUV	146.2660, -36.6131, 76.9427
Hunter-Lab	55.1825, 37.1759, 28.0668

Details

The XYZ color **41.3468, 30.4511, 9.8293** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **35.9358, 44.1422, 84.4678**, and the grayscale version is **27.5531, 28.9880, 31.5679**.

A 20% lighter version of the original color is **59.1276, 51.4146, 25.2200**, and **19.0115, 12.5034, 2.2755** is the 20% darker color. If you saturate the color by 10%, you get **38.9359, 26.6276, 5.9493**, and if you desaturate by 10%, it is **44.4099, 35.1149, 15.3595**.

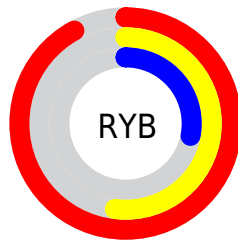
Distribution



Red (92%)

Green (45%)

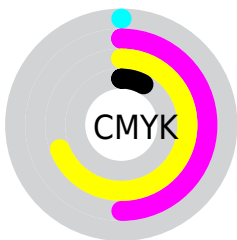
Blue (28%)



Red (92%)

Yellow (52%)

Blue (28%)

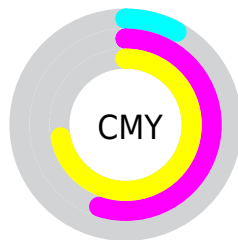


Cyan (0%)

Magenta (50%)

Yellow (69%)

Black (8%)



Cyan (8%)


Magenta (55%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3468, 30.4511, 9.8293 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 XYZ color 41.3468, 30.4511, 9.8293 by changing the saturation by 10% instead.


 41.3468, 30.4511,
9.8293


 41.3468, 30.4511,
9.8293


342.8059,
304.0015, 199.8897


 28.7790, 20.1812,
5.1818


 76.4815, 60.3748,
26.0767

 19.0572, 12.5269,
2.2937


 99.7791, 80.7975,
38.5137

 11.8158, 7.1036,
0.7277


 127.3840,
105.3732, 54.3843

 6.6897, 3.5269,
0.0000

 159.6616,
134.4864, 74.1070

 3.3134, 1.4126,
0.0000

 196.9772,
168.5214, 98.1003

 1.3216, 0.2260,
0.0000

239.6962,

 0.1993, 0.0000,

207.8627, 126.7829

0.0000

288.1840,
252.8946, 160.5732

■ 0.0000, 0.0000,
0.0000

■ 41.3468, 30.4511,
9.8293

■ 41.3468, 30.4511,
9.8293

■ 38.9359, 26.6276,
5.9493

■ 44.4099, 35.1149,
15.3595

■ 37.1205, 23.5860,
3.5272

■ 48.1708, 40.6623,
22.7000


■ 35.8246, 21.2628,
2.2677


■ 52.6731, 47.1393,
31.9931


■ 35.7405, 21.1103,
2.1910


■ 57.9561, 54.5872,
43.3666

■ 64.0560, 63.0446,
56.9374

 71.0068, 72.5480,
72.8136

 78.8405, 83.1321,
91.0961

 86.9035, 94.5563,
108.2786

 87.7415, 96.2323,
108.5580

Harmonies

Analogous

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



47.0691, 30.4511, 21.7759



41.3468, 30.4511, 9.8293



32.8101, 30.4511, 5.6260

Triad

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



41.3468, 30.4511, 9.8293



16.0429, 30.4511, 23.6330



33.7262, 30.4511, 98.9909

Complementary

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



41.3468, 30.4511, 9.8293



35.9358, 44.1422, 84.4678

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.



25.3921, 30.4511, 100.3253



41.3468, 30.4511, 9.8293



16.1943, 30.4511, 47.9378

Square

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



41.3468, 30.4511, 9.8293



18.8438, 30.4511, 10.6282



19.3067, 30.4511, 78.5711



42.1269, 30.4511, 75.5007

Rectangle

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



41.3468, 30.4511, 9.8293



27.1614, 30.4511, 5.3389



19.3067, 30.4511, 78.5711



30.8006, 30.4511, 102.3324

Sweetspot

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



41.3475, 30.4527, 9.8298



76.3907, 74.6083, 65.9109



45.6309, 25.8800, 51.7652



15.9001, 15.3460, 13.1001



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.3475, 30.4527, 9.8298



46.3210, 30.7141, 5.8063



54.8863, 57.5303, 14.3428



15.3984, 15.7198, 15.7414



20.1737, 12.0417, 1.2610



1.6618, 1.1009, 0.1249

Inverse Universe

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



35.9358, 44.1422, 84.4678



39.1423, 47.9039, 101.7911



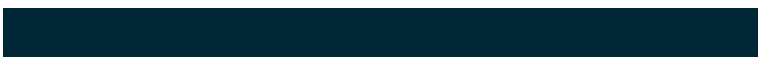
23.0783, 18.4272, 80.1819



15.1516, 16.3896, 19.2872



16.5790, 19.8051, 46.6919



1.3810, 1.7134, 3.6928

Previews

White Background



This preview shows how the XYZ color 41.3468, 30.4511, 9.8293 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 XYZ color 41.3468, 30.4511, 9.8293 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](#).

XYZ 41.3468, 30.4511, 9.8293

Background



This preview shows how black text looks on a background with the XYZ color 41.3468, 30.4511, 9.8293.



This preview shows how white text looks on a background with the XYZ color 41.3468, 30.4511,

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

41.3468, 30.4511, 9.8293

Protanopia

27.9847, 30.4366, 12.5835

Deuteranopia

31.0555, 30.4774, 9.4002



Tritanopia

43.4380, 30.2927, 20.6972

Trichromacy



Original Color

41.3468, 30.4511, 9.8293

Protanomaly

31.7350, 29.6886, 11.4550

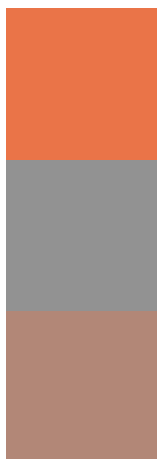
Deuteranomaly

34.0595, 29.8889, 9.4428

Tritanomaly

42.4041, 30.1901, 15.9042

Monochromacy



Original Color

41.3468, 30.4511, 9.8293

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.3538, 28.1248, 21.2816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3468, 30.4511, 9.8293 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(234, 116, 72)` looks like.

```
.text, #text, p{  
    color:rgb(234, 116, 72)  
}
```

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(234, 116, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 116, 72) }
```

Border

The CSS property to change the border of an element to XYZ 41.3468, 30.4511, 9.8293 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(234, 116, 72) }
```


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

```
.border{ border-color:rgb(234, 116, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 116, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 116, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 116, 72);  
box-shadow:4px 4px 4px 4px rgb(234, 116,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3468, 30.4511, 9.8293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 116, 72) }
```

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

```
.background{ background-color: rgb(234,  
116, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor