

Converting Colors

XYZ(39.4252, 30.2124, 7.4950)

Have a look what the booklet for
XYZ(39.4252, 30.2124, 7.4950)
contains.

XYZ(39.4252, 30.2124, 7.4950)	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(39.4252, 30.2124,
7.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	E47838
RGB	228, 120, 56
RGB Percent	89%, 47%, 22%
CMY	0.1059, 0.5294, 0.7804
CMYK	0.00, 0.47, 0.75, 0.11
HSL	22°, 76%, 56%
HSV	22°, 75%, 89%
XYZ	39.4252, 30.2124, 7.4950
YIQ	144.9960, 84.9120, 2.9920

Conversions

Conversions Part 2

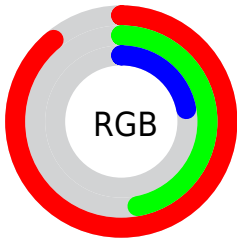
Format	Color
R _Y B	228, 158, 56
Decimal	14972984
CIE Lab	61.84, 37.39, 52.24
CIE LCh	62, 64.236, 54.408
Yxy	30.2124, 0.5111, 0.3917
Android (android.graphics.Color)	4293163064 (0xFFE47838)
YUV	144.9960, -43.8750, 72.7945
Hunter-Lab	54.9658, 31.8421, 30.3914

Details

The XYZ color **39.4252, 30.2124, 7.4950** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **28.9090, 32.9911, 78.2426**, and the grayscale version is **27.0614, 28.4707, 31.0046**.

A 20% lighter version of the original color is **59.0299, 52.5936, 20.9503**, and **17.8540, 12.3632, 1.4453** is the 20% darker color. If you saturate the color by 10%, you get **37.3944, 26.8494, 4.6653**, and if you desaturate by 10%, it is **41.9685, 34.1950, 11.7477**.

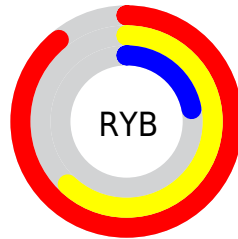
Distribution



Red (89%)

Green (47%)

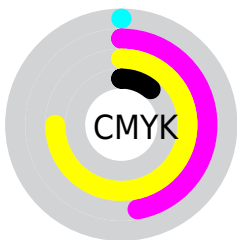
Blue (22%)



Red (89%)

Yellow (62%)

Blue (22%)

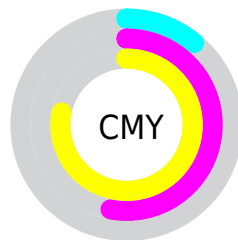


Cyan (0%)

Magenta (47%)

Yellow (75%)

Black (11%)



Cyan (11%)


Magenta (53%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4252, 30.2124, 7.4950 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 39.4252, 30.2124, 7.4950 by changing the saturation by 10% instead.


 39.4252, 30.2124,
7.4950


 39.4252, 30.2124,
7.4950


334.8710,
302.8932, 181.4997

 27.2729, 19.9999,
3.6904


 73.5774, 59.9979,
21.4919

 17.9159, 12.3949,
1.4571


 96.3079, 80.3397,
32.5213


 10.9890, 7.0133,
0.1857


 123.2952,
104.8266, 46.7961

 6.1266, 3.4704,
0.0000

 154.9047,
133.8432, 64.7349

 2.9636, 1.3820,
0.0000

 191.5016,
167.7737, 86.7560

 1.1346, 0.2034,
0.0000

 233.4514,

 0.0537, 0.0000,

207.0027, 113.2782

0.0000

281.1194,
251.9144, 144.7199

■ 0.0000, 0.0000,
0.0000

■ 39.4252, 30.2124,
7.4950

■ 39.4252, 30.2124,
7.4950

■ 37.3944, 26.8494,
4.6653

■ 41.9685, 34.1950,
11.7477

■ 35.8250, 24.0633,
3.0552


■ 45.0635, 38.8258,
17.5861

■ 35.2310, 22.9665,
2.5761


■ 48.7472, 44.1371,
25.1523


■ 53.0523, 50.1573,
34.5720

■ 58.0090, 56.9131,
45.9589

 63.6454, 64.4296,
59.4177

 69.9876, 72.7305,
75.0456

 77.0605, 81.8387,
92.9334

 83.8728, 91.3701,
107.8234

Harmonies

Analogous

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



46.5069, 30.2124, 16.9825



39.4252, 30.2124, 7.4950



30.3535, 30.2124, 4.7228

Triad

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



39.4252, 30.2124, 7.4950



15.2297, 30.2124, 28.5043



36.0853, 30.2124, 97.3861

Complementary

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



39.4252, 30.2124, 7.4950



28.9090, 32.9911, 78.2426

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.



27.1385, 30.2124, 105.8614



39.4252, 30.2124, 7.4950



16.1626, 30.2124, 56.5317

Square

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



39.4252, 30.2124, 7.4950



17.2832, 30.2124, 12.3510



20.1462, 30.2124, 88.2004



44.3253, 30.2124, 68.7595

Rectangle

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



39.4252, 30.2124, 7.4950



24.8043, 30.2124, 5.0770



20.1462, 30.2124, 88.2004



33.0187, 30.2124, 103.1368

Sweetspot

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



39.4259, 30.2140, 7.4955



76.3606, 75.4952, 62.9811



40.1945, 22.0366, 37.7007



15.8103, 15.4402, 12.2264



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.



39.4259, 30.2140, 7.4955



46.8951, 32.3235, 4.5754



54.5558, 60.4739, 12.5388



14.8141, 15.2421, 15.0657



20.4482, 13.4705, 1.5223



1.5977, 1.1688, 0.1414

Inverse Universe

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



28.9090, 32.9911, 78.2426



32.5247, 35.6466, 99.7740



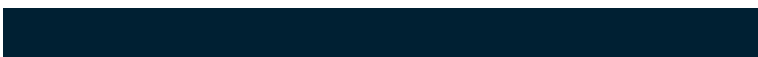
18.4258, 12.0248, 74.7483



14.3331, 15.3876, 18.3590



13.8887, 14.8394, 44.5155



1.1146, 1.2732, 3.3190

Previews

White Background



This preview shows how the XYZ color 39.4252, 30.2124, 7.4950 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 39.4252, 30.2124, 7.4950 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 39.4252, 30.2124, 7.4950

Background



This preview shows how black text looks on a background with the XYZ color 39.4252, 30.2124, 7.4950.



This preview shows how white text looks on a background with the XYZ color 39.4252, 30.2124,

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

39.4252, 30.2124, 7.4950

Protanopia

27.7968, 30.4098, 9.4057

Deuteranopia

30.7209, 30.1325, 7.1027



Tritanopia

42.3113, 30.1797, 21.6844

Trichromacy



Original Color

39.4252, 30.2124, 7.4950

Protanomaly

31.0884, 29.6319, 8.6384

Deuteranomaly

33.5021, 29.8547, 7.2456

Tritanomaly

41.0362, 30.1768, 14.9711

Monochromacy



Original Color

39.4252, 30.2124, 7.4950

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.4640, 27.9145, 19.4579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4252, 30.2124, 7.4950 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(228, 120, 56)` looks like.

```
.text, #text, p{  
    color:rgb(228, 120, 56)  
}
```

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(228, 120, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 120, 56) }
```

Border

The CSS property to change the border of an element to XYZ 39.4252, 30.2124, 7.4950 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(228, 120, 56) }
```


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

```
.border{ border-color:rgb(228, 120, 56) }
```

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

Here you see how a box with a 4 pixel rgb(228, 120, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 120, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 120, 56);  
box-shadow:4px 4px 4px 4px rgb(228, 120,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4252, 30.2124, 7.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 120, 56) }
```

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

```
.background{ background-color: rgb(228,  
120, 56) }
```

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