

# Converting Colors

XYZ(29.3021, 24.4101, 9.4706)

Have a look what the booklet for  
XYZ(29.3021, 24.4101, 9.4706)  
contains.

<b>XYZ(29.3021, 24.4101, 9.4706)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.3021, 24.4101,  
9.4706)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C07549
RGB	192, 117, 73
RGB Percent	75%, 46%, 29%
CMY	0.2471, 0.5412, 0.7137
CMYK	0.00, 0.39, 0.62, 0.25
HSL	22°, 49%, 52%
HSV	22°, 62%, 75%
XYZ	29.3021, 24.4101, 9.4706
YIQ	134.4090, 58.8240, 2.2160

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 143, 73
Decimal	12612937
CIE Lab	56.50, 25.29, 36.38
CIE LCh	56, 44.305, 55.195
Yxy	24.4101, 0.4638, 0.3863
Android (android.graphics.Color)	4290803017 (0xFFC07549)
YUV	134.4090, -30.2746, 50.5073
Hunter-Lab	49.4066, 19.4034, 23.2195

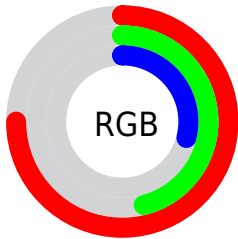
# Details

The XYZ color **29.3021, 24.4101, 9.4706** is a dark color, and the websafe version is hex **996633**.

The color can be described as dark muted orange. A complement of this color would be **22.8513, 26.4006, 53.7603**, and the grayscale version is **22.9042, 24.0970, 26.2416**.

A 20% lighter version of the original color is **58.0948, 50.8750, 25.4968**, and **12.0965, 9.2817, 2.1909** is the 20% darker color. If you saturate the color by 10%, you get **27.4412, 21.5548, 6.1798**, and if you desaturate by 10%, it is **31.5429, 27.7110, 13.8577**.

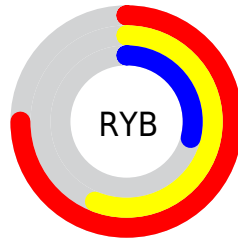
# Distribution



Red (75%)

Green (46%)

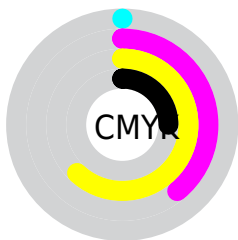
Blue (29%)



Red (75%)

Yellow (56%)

Blue (29%)

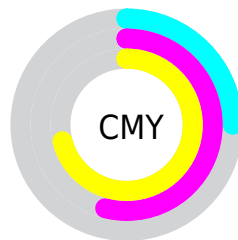


Cyan (0%)

Magenta (39%)

Yellow (62%)

Black (25%)



Cyan (25%)

Magenta (54%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3021, 24.4101, 9.4706 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 29.3021, 24.4101, 9.4706 by changing the saturation by 10% instead.





 29.3021, 24.4101,  
9.4706

 29.3021, 24.4101,  
9.4706


290.6062,  
274.8873, 197.1963


 19.4549, 15.6381,  
4.9484


 57.9510, 50.6986,  
25.3869


 12.1054, 9.2684,  
2.1588


 77.4833, 68.9839,  
37.6182


 6.8882, 4.9167,  
0.6505


 100.9748, 91.2091,  
53.2561

 3.4380, 2.1985,  
0.0000

 128.7908,  
117.7586, 72.7194

 1.3894, 0.7192,  
0.0000

 161.2965,  
149.0168, 96.4265

 0.2486, 0.0000,  
0.0000

198.8575,

 0.0000, 0.0000,

185.3680, 124.7960

0.0000

241.8389,  
227.1967, 158.2464

■ 29.3021, 24.4101,  
9.4706

■ 29.3021, 24.4101,  
9.4706

■ 27.4412, 21.5548,  
6.1798

■ 31.5429, 27.7110,  
13.8577

■ 25.9329, 19.1200,  
3.8830

■ 34.1847, 31.4734,  
19.4283

■ 24.7478, 17.0832,  
2.4601

■ 37.2492, 35.7170,  
26.2622

■ 23.9913, 15.7128,  
1.7684

■ 40.7555, 40.4589,  
34.4317

■ 44.7219, 45.7155,  
44.0036

■ 49.1651, 51.5023,  
55.0404

■ 54.1012, 57.8341,  
67.6006

■ 59.5456, 64.7253,  
81.7396

■ 65.5128, 72.1895,  
97.5098

# Harmonies

## Analogous

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



33.3255, 24.4101, 16.2709



29.3021, 24.4101, 9.4706



24.0375, 24.4101, 7.1913

# Triad

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



29.3021, 24.4101, 9.4706



14.6910, 24.4101, 24.2807



27.6609, 24.4101, 61.2324

# Complementary

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



29.3021, 24.4101, 9.4706



22.8513, 26.4006, 53.7603

# 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.



22.3842, 24.4101, 65.8615



29.3021, 24.4101, 9.4706



15.3679, 24.4101, 40.5170

# Square

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



29.3021, 24.4101, 9.4706



16.0046, 24.4101, 13.4901



18.0118, 24.4101, 57.1950



32.2842, 24.4101, 46.1946



# Rectangle

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



29.3021, 24.4101, 9.4706



20.7093, 24.4101, 7.5695



18.0118, 24.4101, 57.1950



25.8850, 24.4101, 64.2473

# Sweetspot

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



29.3027, 24.4114, 9.4711



75.6860, 75.7640, 66.7724



29.4951, 18.1214, 30.1127



15.8121, 15.6864, 13.3118



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



29.3027, 24.4114, 9.4711



48.7785, 37.5600, 9.6760



38.4922, 42.7903, 12.5342



10.3714, 10.6743, 10.5756



16.2124, 10.7106, 1.2129



0.7666, 0.5951, 0.0745



# Inverse Universe

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



22.8513, 26.4006, 53.7603



36.0470, 41.2769, 96.4277



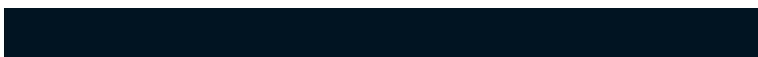
15.8235, 12.3451, 51.4177



10.0453, 10.7820, 12.8365



11.0795, 11.9156, 35.2726

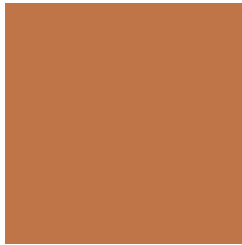


0.5428, 0.6430, 1.5454



# Previews

## White Background



This preview shows how the XYZ color 29.3021, 24.4101, 9.4706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3021, 24.4101, 9.4706 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.3021, 24.4101, 9.4706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.3021, 24.4101, 9.4706.



This preview shows how white text looks on a background with the XYZ color 29.3021, 24.4101,



# 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

29.3021, 24.4101, 9.4706

### Protanopia

22.6466, 24.5771, 11.1397

### Deuteranopia

25.0245, 24.6229, 9.2281



## Tritanopia

31.5803, 24.3270, 20.8004

# Trichromacy



## Original Color

29.3021, 24.4101, 9.4706

## Protanomaly

24.7069, 24.2357, 10.3969

## Deuteranomaly

26.3754, 24.3523, 9.2716

## Tritanomaly

30.6014, 24.2589, 15.9015

# Monochromacy



## Original Color

29.3021, 24.4101, 9.4706

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

24.1614, 23.5768, 18.6066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.3021, 24.4101, 9.4706 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(192, 117, 73)` looks like.

```
.text, #text, p{  
    color:rgb(192, 117, 73)  
}
```

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(192, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 117, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 29.3021, 24.4101, 9.4706 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(192, 117, 73) }
```



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

```
.border{ border-color:rgb(192, 117, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 117, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(192, 117,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.3021, 24.4101, 9.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 117, 73) }
```

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

```
.background{ background-color: rgb(192,  
117, 73) }
```

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