

Converting Colors

XYZ(30.4415, 32.9990, 9.0400)

Have a look what the booklet for
XYZ(30.4415, 32.9990, 9.0400)
contains.

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Color

**XYZ(30.4415, 32.9990,
9.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	B09B3C
RGB	176, 155, 60
RGB Percent	69%, 61%, 24%
CMY	0.3098, 0.3921, 0.7647
CMYK	0.00, 0.12, 0.66, 0.31
HSL	49°, 49%, 46%
HSV	49°, 66%, 69%
XYZ	30.4415, 32.9990, 9.0400
YIQ	150.4490, 43.0110, -25.0930

Conversions

Conversions Part 2

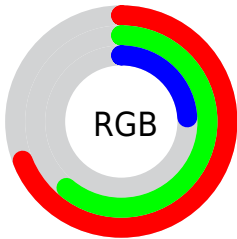
Format	Color
RYB	86, 176, 60
Decimal	11574076
CIELab	64.16, -3.42, 50.96
CIElCh	64, 51.072, 93.843
Yxy	32.9990, 0.4200, 0.4553
Android (android.graphics.Color)	4289764156 (0xFFB09B3C)
YUV	150.4490, -44.5914, 22.4082
Hunter-Lab	57.4448, -5.9364, 30.8809

Details

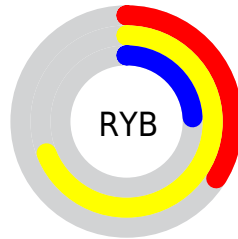
The XYZ color **30.4415, 32.9990, 9.0400** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.6424, 9.9800, 42.3343**, and the grayscale version is **29.3522, 30.8808, 33.6292**.

A 20% lighter version of the original color is **59.6568, 64.2632, 24.5890**, and **12.6960, 13.8937, 2.0126** is the 20% darker color. If you saturate the color by 10%, you get **29.5285, 31.7979, 6.8098**, and if you desaturate by 10%, it is **31.5247, 34.2931, 12.0910**.

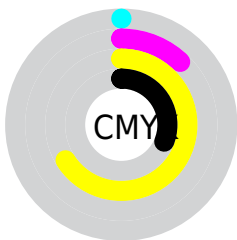
Distribution



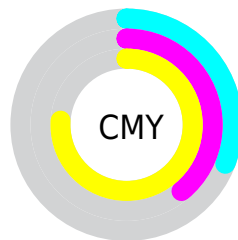
- Red (69%)
- Green (61%)
- Blue (24%)



- Red (34%)
- Yellow (69%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (66%)
- Black (31%)



- Cyan (31%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4415, 32.9990, 9.0400 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 30.4415, 32.9990, 9.0400 by changing the saturation by 10% instead.

■ 30.4415, 32.9990,
9.0400

■ 30.4415, 32.9990,
9.0400

295.8300,
315.6452, 193.9051

■ 20.3237, 22.1257,
4.6701

■ 59.7415, 64.3740,
24.5524

■ 12.7402, 13.9493,
1.9997

■ 79.6545, 85.6444,
36.5320

■ 7.3256, 8.0854,
0.5551

■ 103.5631,
111.1493, 51.8852

■ 3.7147, 4.1496,
0.0000

■ 131.8329,
141.2732, 71.0307

■ 1.5420, 1.7576,
0.0000

■ 164.8291,
176.4003, 94.3868

■ 0.3542, 0.4605,
0.0000

■ 202.9171,

■ 0.0000, 0.0000,

216.9150, 122.3722

0.0000

246.4623,
263.2019, 155.4055

■ 30.4415, 32.9990,
9.0400

■ 30.4415, 32.9990,
9.0400

■ 29.5285, 31.7979,
6.8098

■ 31.5247, 34.2931,
12.0910

■ 28.7674, 30.6785,
5.3139

■ 32.7899, 35.6813,
16.0339

■ 28.1379, 29.6338,
4.4437

■ 34.2502, 37.1702,
20.9341

■ 27.8996, 29.2203,
4.1696

■ 35.9168, 38.7645,
26.8505

■ 37.8002, 40.4686,
33.8372

■ 39.9099, 42.2865,
41.9444

■ 42.2551, 44.2218,
51.2192

■ 44.8441, 46.2783,
61.7060

■ 47.6852, 48.4592,
73.4468

Harmonies

Analogous

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



37.9038, 32.9990, 10.7250



30.4415, 32.9990, 9.0400



24.2389, 32.9990, 11.9623

Triad

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



30.4415, 32.9990, 9.0400



21.1730, 32.9990, 62.9924



45.5780, 32.9990, 56.5050

Complementary

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



30.4415, 32.9990, 9.0400



12.6424, 9.9800, 42.3343

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.



39.7655, 32.9990, 80.2059



30.4415, 32.9990, 9.0400



25.6243, 32.9990, 84.8533

Square

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



30.4415, 32.9990, 9.0400



19.4336, 32.9990, 38.6669



32.3061, 32.9990, 92.1267



47.3887, 32.9990, 33.3259

Rectangle

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



30.4415, 32.9990, 9.0400



21.4218, 32.9990, 17.1809



32.3061, 32.9990, 92.1267



43.9877, 32.9990, 64.9270

Sweetspot

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



30.4423, 33.0006, 9.0407



66.9899, 71.9987, 55.4943



21.0158, 13.0603, 9.2508



14.3169, 15.4207, 11.2838



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.4423, 33.0006, 9.0407



52.9050, 56.7445, 10.9818



27.0332, 36.8889, 9.9709



9.0637, 9.6398, 9.0355



20.5094, 21.5174, 3.0723



0.6794, 0.7452, 0.1080

Inverse Universe

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



12.6424, 9.9800, 42.3343



18.3842, 12.2048, 75.8821



14.3541, 8.8935, 42.0343



8.1623, 8.4707, 10.7111



6.1578, 3.1159, 30.4139



0.2310, 0.1726, 0.9694

Previews

White Background



This preview shows how the XYZ color 30.4415, 32.9990, 9.0400 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 30.4415, 32.9990, 9.0400 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 30.4415, 32.9990, 9.0400

Background



This preview shows how black text looks on a background with the XYZ color 30.4415, 32.9990, 9.0400.



This preview shows how white text looks on a background with the XYZ color 30.4415, 32.9990,

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

30.4415, 32.9990, 9.0400

Protanopia

30.1596, 33.1018, 9.0747

Deuteranopia

33.7075, 32.9969, 9.1499



Tritanopia

35.9784, 32.8755, 36.3476

Trichromacy



Original Color

30.4415, 32.9990, 9.0400

Protanomaly

30.3833, 33.2171, 9.0851

Deuteranomaly

32.4024, 33.0349, 9.0835

Tritanomaly

33.3164, 32.7238, 22.9727

Monochromacy



Original Color

30.4415, 32.9990, 9.0400

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7372, 31.1118, 21.3202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4415, 32.9990, 9.0400 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(176, 155, 60)` looks like.

```
.text, #text, p{  
    color:rgb(176, 155, 60)  
}
```

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(176, 155, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 155, 60) }
```

Border

The CSS property to change the border of an element to XYZ 30.4415, 32.9990, 9.0400 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(176, 155, 60) }
```


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

```
.border{ border-color:rgb(176, 155, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 155, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 155, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 155, 60);  
box-shadow:4px 4px 4px 4px rgb(176, 155,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4415, 32.9990, 9.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 155, 60) }
```

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

```
.background{ background-color: rgb(176,  
155, 60) }
```

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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