

Converting Colors

XYZ(29.7789, 32.3633, 15.7072)

Have a look what the booklet for
XYZ(29.7789, 32.3633, 15.7072)
contains.

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Color

**XYZ(29.8154, 32.2806,
15.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	A89A60
RGB	168, 154, 96
RGB Percent	66%, 60%, 38%
CMY	0.3412, 0.3961, 0.6235
CMYK	0.00, 0.08, 0.43, 0.34
HSL	48°, 29%, 52%
HSV	48°, 43%, 66%
XYZ	29.8154, 32.2806, 15.7257
YIQ	151.5740, 26.9620, -15.0700

Conversions

Conversions Part 2

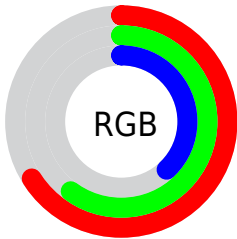
Format	Color
RYB	113, 168, 96
Decimal	11049568
CIELab	63.57, -3.26, 32.26
CIElCh	64, 32.428, 95.768
Yxy	32.2806, 0.3831, 0.4148
Android (android.graphics.Color)	4289239648 (0xFFA89A60)
YUV	151.5740, -27.3980, 14.4056
Hunter-Lab	56.8160, -5.7564, 23.3608

Details

The XYZ color **29.8154, 32.2806, 15.7257** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4676, 16.4653, 39.3032**, and the grayscale version is **29.7683, 31.3185, 34.1059**.

A 20% lighter version of the original color is **58.5628, 63.0656, 36.6901**, and **12.3232, 13.4913, 4.7509** is the 20% darker color. If you saturate the color by 10%, you get **28.5917, 30.9415, 11.9011**, and if you desaturate by 10%, it is **31.2207, 33.7181, 20.4271**.

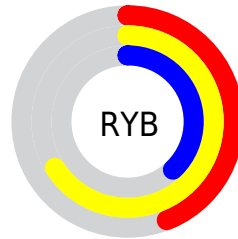
Distribution



Red (66%)

Green (60%)

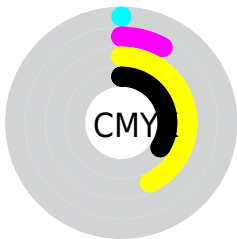
Blue (38%)



Red (44%)

Yellow (66%)

Blue (38%)

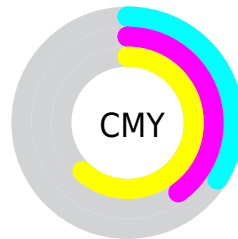


Cyan (0%)

Magenta (8%)

Yellow (43%)

Black (34%)



Cyan (34%)


Magenta (40%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8154, 32.2806, 15.7257 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 29.8154, 32.2806, 15.7257 by changing the saturation by 10% instead.


 29.8154, 32.2806,
15.7257


 29.8154, 32.2806,
15.7257


292.9683,
312.3955, 239.5078


 19.8459, 21.5759,
9.1780


 58.7588, 63.2507,
36.8815


 12.3907, 13.5456,
4.7591


 78.4633, 84.2849,
52.3267

 7.0844, 7.8053,
2.0504


 102.1436,
109.5311, 71.5748

 3.5618, 3.9706,
0.5860

 130.1650,
139.3737, 95.0443

 1.4573, 1.6571,
0.0000

162.8928,
174.1970, 123.1539

 0.2965, 0.3957,
0.0000

200.6923,

 0.0000, 0.0000,

214.3855, 156.3219

0.0000

243.9291,
260.3235, 194.9671

■ 29.8154, 32.2806,
15.7257

■ 29.8154, 32.2806,
15.7257

■ 28.5917, 30.9415,
11.9011

■ 31.2207, 33.7181,
20.4271

■ 27.5365, 29.6920,
8.8953

■ 32.8149, 35.2537,
26.0544

■ 26.6385, 28.5284,
6.6463

■ 34.6080, 36.8926,
32.6553

■ 25.8841, 27.4452,
5.0828

■ 36.6084, 38.6385,
40.2737

■ 25.2569, 26.4355,
4.1193

■ 38.8241, 40.4946,
48.9510

■ 24.8604, 25.7487,
3.6597

■ 41.2624, 42.4642,
58.7260

■ 43.9306, 44.5502,
69.6357

■ 46.8354, 46.7556,
81.7153

■ 49.9833, 49.0831,
94.9986

Harmonies

Analogous

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



34.3938, 32.2806, 16.9677



29.8154, 32.2806, 15.7257



25.8711, 32.2806, 18.5564

Triad

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



29.8154, 32.2806, 15.7257



24.1486, 32.2806, 51.8208



39.3211, 32.2806, 46.4014

Complementary

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



29.8154, 32.2806, 15.7257



17.4676, 16.4653, 39.3032

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.



36.0546, 32.2806, 59.4961



29.8154, 32.2806, 15.7257



27.2469, 32.2806, 63.1252

Square

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



29.8154, 32.2806, 15.7257



22.8124, 32.2806, 37.7129



31.5647, 32.2806, 66.2329



40.1799, 32.2806, 32.7023

Rectangle

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



29.8154, 32.2806, 15.7257



24.0347, 32.2806, 22.9096



31.5647, 32.2806, 66.2329



38.4536, 32.2806, 51.1149

Sweetspot

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



29.8162, 32.2821, 15.7264



62.6702, 66.8299, 58.7661



23.1679, 17.8255, 17.0863



13.5021, 14.4247, 12.2221



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.8162, 32.2821, 15.7264



52.0752, 56.3648, 22.1712



28.0394, 34.9976, 16.3442



8.0211, 8.5223, 8.0115



18.8094, 19.5161, 2.7756



0.4885, 0.5365, 0.0778

Inverse Universe

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



17.4676, 16.4653, 39.3032



26.8205, 24.0371, 70.4511



18.6681, 15.0169, 38.9604



7.2455, 7.5279, 9.4895



5.7706, 3.0015, 28.2507



0.1729, 0.1380, 0.6982

Previews

White Background



This preview shows how the XYZ color 29.8154, 32.2806, 15.7257 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 29.8154, 32.2806, 15.7257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

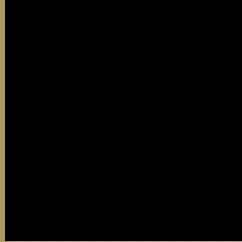
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8154, 32.2806, 15.7257

Background



This preview shows how black text looks on a background with the XYZ color 29.8154, 32.2806, 15.7257.



This preview shows how white text looks on a background with the XYZ color 29.8154, 32.2806,

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

29.8154, 32.2806, 15.7257

Protanopia

29.8154, 32.2806, 15.7257

Deuteranopia

32.8880, 32.1884, 16.0349



Tritanopia

34.1296, 32.1404, 36.7526

Trichromacy



Original Color

29.8154, 32.2806, 15.7257

Protanomaly

29.8154, 32.2806, 15.7257

Deuteranomaly

31.6544, 32.2595, 15.8676

Tritanomaly

32.1339, 32.0148, 27.4075

Monochromacy



Original Color

29.8154, 32.2806, 15.7257

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6566, 31.7175, 26.3888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8154, 32.2806, 15.7257 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(168, 154, 96)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 96)  
}
```

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(168, 154, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 96) }
```

Border

The CSS property to change the border of an element to XYZ 29.8154, 32.2806, 15.7257 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(168, 154, 96) }
```


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

```
.border{ border-color:rgb(168, 154, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 154, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 96);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8154, 32.2806, 15.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 96) }
```

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

```
.background{ background-color: rgb(168,  
154, 96) }
```

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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