

Converting Colors

XYZ(29.7578, 32.8349, 19.8085)

Have a look what the booklet for
XYZ(29.7578, 32.8349, 19.8085)
contains.

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Color

**XYZ(29.8265, 32.9430,
19.8255)**

Conversions

Conversions Part 1

Format	Color
Hex	A29D6F
RGB	162, 157, 111
RGB Percent	64%, 62%, 44%
CMY	0.3647, 0.3843, 0.5647
CMYK	0.00, 0.03, 0.31, 0.36
HSL	54°, 22%, 54%
HSV	54°, 31%, 64%
XYZ	29.8265, 32.9430, 19.8255
YIQ	153.2510, 17.7460, -13.2460

Conversions

Conversions Part 2

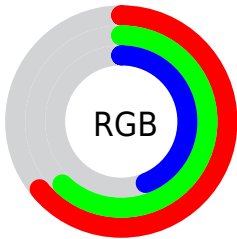
Format	Color
RYB	117, 162, 111
Decimal	10657135
CIELab	64.11, -5.55, 24.77
CIELCh	64, 25.385, 102.623
Yxy	32.9430, 0.3611, 0.3988
Android (android.graphics.Color)	4288847215 (0xFFA29D6F)
YUV	153.2510, -20.8297, 7.6729
Hunter-Lab	57.3960, -7.6834, 19.6975

Details

The XYZ color **29.8265, 32.9430, 19.8255** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.3224, 18.4784, 36.7308**, and the grayscale version is **30.4708, 32.0577, 34.9108**.

A 20% lighter version of the original color is **58.5204, 63.9846, 43.9162**, and **12.4816, 13.9819, 6.7436** is the 20% darker color. If you saturate the color by 10%, you get **28.7478, 32.0858, 15.4572**, and if you desaturate by 10%, it is **31.0722, 33.8749, 25.0484**.

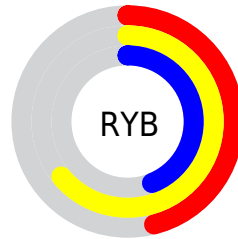
Distribution



Red (64%)

Green (62%)

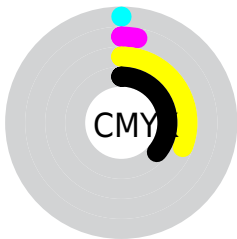
Blue (44%)



Red (46%)

Yellow (64%)

Blue (44%)

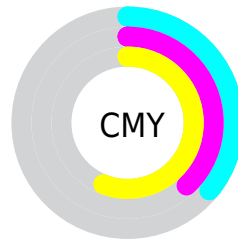


Cyan (0%)

Magenta (3%)

Yellow (31%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8265, 32.9430, 19.8255 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 29.8265, 32.9430, 19.8255 by changing the saturation by 10% instead.

■ 29.8265, 32.9430,
19.8255

■ 29.8265, 32.9430,
19.8255

293.0193,
315.3928, 263.5418

■ 19.8544, 22.0828,
12.0854

■ 58.7762, 64.2865,
43.9795

■ 12.3969, 13.9177,
6.6786

■ 78.4845, 85.5386,
61.2306

■ 7.0887, 8.0635,
3.1866

■ 102.1688,
111.0235, 82.4891

■ 3.5644, 4.1356,
1.1907

■ 130.1946,
141.1255, 108.1736

■ 1.4588, 1.7497,
0.0000

162.9272,
176.2290, 138.7025

■ 0.2975, 0.4555,
0.0000

200.7319,

■ 0.0000, 0.0000,

216.7185, 174.4945

0.0000

243.9742,
262.9783, 215.9681

■ 29.8265, 32.9430,
19.8255

■ 29.8265, 32.9430,
19.8255

■ 28.7478, 32.0858,
15.4572

■ 31.0722, 33.8749,
25.0484

■ 27.8247, 31.2953,
11.8954

■ 32.4905, 34.8802,
31.1665

■ 27.0486, 30.5691,
9.0902


■ 34.0897, 35.9636,
38.2202


■ 26.4088, 29.9029,
6.9856


■ 35.8770, 37.1278,
46.2469


■ 25.8931, 29.2919,
5.5176


■ 37.8591, 38.3756,
55.2819


 25.4871, 28.7303,
4.6106

 40.0424, 39.7096,
65.3589

 25.1993, 28.2793,
4.1303

 42.4330, 41.1321,
76.5097

 45.0367, 42.6457,
88.7652

 47.5676, 44.1359,
100.6197

Harmonies

Analogous

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



33.4193, 32.9430, 20.1129



29.8265, 32.9430, 19.8255



26.8644, 32.9430, 23.1969

Triad

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



29.8265, 32.9430, 19.8255



26.5002, 32.9430, 50.9963



38.3744, 32.9430, 42.1057

Complementary

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



29.8265, 32.9430, 19.8255



19.3224, 18.4784, 36.7308

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.



36.2238, 32.9430, 52.4773



29.8265, 32.9430, 19.8255



29.2940, 32.9430, 58.2459

Square

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



29.8265, 32.9430, 19.8255



25.0449, 32.9430, 40.3667



32.8446, 32.9430, 58.8346



38.5444, 32.9430, 31.7191

Rectangle

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



29.8265, 32.9430, 19.8255



25.5712, 32.9430, 27.5224



32.8446, 32.9430, 58.8346



37.8520, 32.9430, 45.7533

Sweetspot

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



29.8273, 32.9445, 19.8262



59.6251, 63.7641, 59.3844



23.7432, 20.3139, 19.2235



13.3040, 14.2610, 12.9541



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.8273, 32.9445, 19.8262



52.7009, 58.6668, 30.0982



26.8766, 32.7040, 19.9353



7.5899, 8.1181, 7.5470



19.8700, 22.3140, 3.2598



0.4335, 0.5007, 0.0738

Inverse Universe

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



19.3224, 18.4784, 36.7308



30.4816, 28.0737, 65.8683



21.6285, 18.8352, 36.6781



6.7537, 6.9664, 8.8918



5.2981, 2.3757, 27.1091



0.1269, 0.0811, 0.5748

Previews

White Background



This preview shows how the XYZ color 29.8265, 32.9430, 19.8255 looks on a white background.

Color Contrast Check

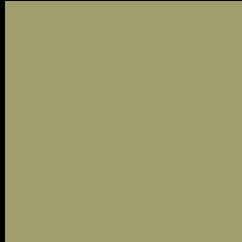
Large Text (above 18pt) WCAG AA × Fail

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 29.8265, 32.9430, 19.8255 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 29.8265, 32.9430, 19.8255

Background



This preview shows how black text looks on a background with the XYZ color 29.8265, 32.9430, 19.8255.



This preview shows how white text looks on a background with the XYZ color 29.8265, 32.9430,

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

29.8265, 32.9430, 19.8255

Protanopia

30.4722, 32.7840, 19.4737

Deuteranopia

33.4952, 32.8775, 20.2034



Tritanopia

33.5764, 32.7462, 38.7334

Trichromacy



Original Color

29.8265, 32.9430, 19.8255

Protanomaly

30.2200, 32.9021, 19.5098

Deuteranomaly

32.0574, 32.8564, 19.9816

Tritanomaly

32.0750, 32.8726, 30.6411

Monochromacy



Original Color

29.8265, 32.9430, 19.8255

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.8533, 32.0141, 28.6507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8265, 32.9430, 19.8255 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(162, 157, 111)` looks like.

```
.text, #text, p{  
    color:rgb(162, 157, 111)  
}
```

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(162, 157, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 157, 111) }
```

Border

The CSS property to change the border of an element to XYZ 29.8265, 32.9430, 19.8255 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(162, 157, 111) }
```


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

```
.border{ border-color:rgb(162, 157, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 157, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 157, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 157, 111);  
box-shadow:4px 4px 4px 4px rgb(162, 157,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8265, 32.9430, 19.8255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 157, 111) }
```

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

```
.background{ background-color: rgb(162,  
157, 111) }
```

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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