

Converting Colors

XYZ(28.9726, 33.2945, 16.6704)

Have a look what the booklet for
XYZ(28.9726, 33.2945, 16.6704)
contains.

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Color

**XYZ(28.9235, 33.3116,
16.7097)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA063
RGB	158, 160, 99
RGB Percent	62%, 63%, 39%
CMY	0.3804, 0.3725, 0.6118
CMYK	0.01, 0.00, 0.38, 0.37
HSL	62°, 24%, 51%
HSV	62°, 38%, 63%
XYZ	28.9235, 33.3116, 16.7097
YIQ	152.4480, 18.3890, -19.3950

Conversions

Conversions Part 2

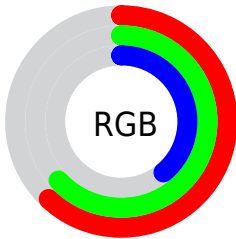
Format	Color
RYB	99, 160, 101
Decimal	10395747
CIELab	64.41, -10.29, 31.56
CIELCh	64, 33.201, 108.063
Yxy	33.3116, 0.3664, 0.4220
Android (android.graphics.Color)	4288585827 (0xFF9EA063)
YUV	152.4480, -26.3499, 4.8691
Hunter-Lab	57.7162, -11.5511, 23.2360

Details

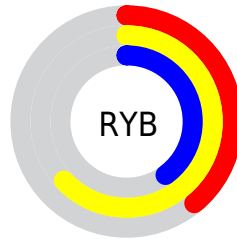
The XYZ color **28.9235, 33.3116, 16.7097** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1750, 14.2293, 35.1537**, and the grayscale version is **30.1444, 31.7142, 34.5368**.

A 20% lighter version of the original color is **57.6179, 65.1314, 38.8130**, and **11.8919, 14.1796, 5.2421** is the 20% darker color. If you saturate the color by 10%, you get **28.1303, 32.9836, 13.0677**, and if you desaturate by 10%, it is **29.8704, 33.7035, 21.1514**.

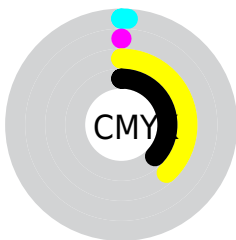
Distribution



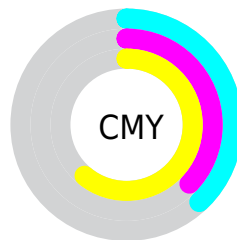
- Red (62%)
- Green (63%)
- Blue (39%)



- Red (39%)
- Yellow (63%)
- Blue (40%)



- Cyan (1%)
- Magenta (0%)
- Yellow (38%)
- Black (37%)



- Cyan (38%)
- Magenta (37%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9235, 33.3116, 16.7097 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 28.9235, 33.3116, 16.7097 by changing the saturation by 10% instead.

■ 28.9235, 33.3116,
16.7097

■ 28.9235, 33.3116,
16.7097

288.8546,
317.0515, 245.4809

■ 19.1669, 22.3653,
9.8680

■ 57.3539, 64.8617,
38.6098

■ 11.8957, 14.1255,
5.2070

■ 76.7585, 86.2343,
54.5052

■ 6.7444, 8.2080,
2.3084

■ 100.1098,
111.8510, 74.2555

■ 3.3477, 4.2283,
0.7359

■ 127.7732,
142.0964, 98.2794

■ 1.3402, 1.8021,
0.0000

160.1140,
177.3547, 126.9954

■ 0.2130, 0.4885,
0.0000

197.4976,

■ 0.0000, 0.0000,

218.0104, 160.8219

0.0000

240.2893,
264.4478, 200.1776

■ 28.9235, 33.3116,
16.7097

■ 28.9235, 33.3116,
16.7097

■ 28.1303, 32.9836,
13.0677

■ 29.8704, 33.7035,
21.1514

■ 27.4793, 32.7113,
10.1759

■ 30.9767, 34.1581,
26.4342

■ 26.9614, 32.4923,
7.9826


■ 32.2511, 34.6799,
32.5991


■ 26.5653, 32.3221,
6.4288


■ 33.7005, 35.2718,
39.6839


■ 26.2781, 32.1955,
5.4454


■ 35.3318, 35.9365,
47.7241


 26.0760, 32.1030,
4.9083

 37.1514, 36.6766,
56.7535

 26.0406, 32.0867,
4.8209

 39.1654, 37.4944,
66.8040

 41.3795, 38.3924,
77.9063

 43.7994, 39.3727,
90.0897

Harmonies

Analogous

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



33.5810, 33.3116, 16.2834



28.9235, 33.3116, 16.7097



25.3643, 33.3116, 21.4947

Triad

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



28.9235, 33.3116, 16.7097



25.9621, 33.3116, 59.3122



41.4237, 33.3116, 41.9314

Complementary

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



28.9235, 33.3116, 16.7097



16.1750, 14.2293, 35.1537

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.



38.9236, 33.3116, 56.6206



28.9235, 33.3116, 16.7097



29.8169, 33.3116, 68.2039

Square

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



28.9235, 33.3116, 16.7097



23.7755, 33.3116, 44.9650



34.5674, 33.3116, 67.1116



41.1233, 33.3116, 28.7762

Rectangle

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



28.9235, 33.3116, 16.7097



23.9497, 33.3116, 27.3811



34.5674, 33.3116, 67.1116



40.8734, 33.3116, 46.9020

Sweetspot

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



28.9243, 33.3131, 16.7104



57.8078, 62.6593, 55.5572



21.3092, 17.4928, 14.0581



12.6133, 13.7156, 11.8707



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



28.9243, 33.3131, 16.7104



51.2376, 59.9535, 24.4691



23.7992, 30.6710, 16.4705



7.1486, 7.7093, 7.0969



20.2916, 24.9974, 3.7555



0.3688, 0.4500, 0.0674

Inverse Universe

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



16.1750, 14.2293, 35.1537



24.6289, 20.1176, 62.9715



20.0934, 16.2492, 35.3371



6.3039, 6.4451, 8.3185



5.0015, 2.0074, 26.0311



0.0947, 0.0386, 0.4657

Previews

White Background



This preview shows how the XYZ color 28.9235, 33.3116, 16.7097 looks on a white background.

Color Contrast Check

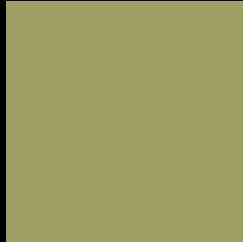
Large Text (above 18pt) WCAG AA × Fail

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 28.9235, 33.3116, 16.7097 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 28.9235, 33.3116, 16.7097

Background



This preview shows how black text looks on a background with the XYZ color 28.9235, 33.3116, 16.7097.



This preview shows how white text looks on a background with the XYZ color 28.9235, 33.3116,

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

28.9235, 33.3116, 16.7097

Protanopia

30.6237, 33.1860, 16.1008

Deuteranopia

33.8354, 33.1258, 16.9225



Tritanopia

33.6550, 33.2438, 39.7648

Trichromacy



Original Color

28.9235, 33.3116, 16.7097

Protanomaly

29.9875, 33.1028, 16.3642

Deuteranomaly

31.8229, 33.0497, 16.7586

Tritanomaly

31.5592, 33.1227, 29.5409

Monochromacy



Original Color

28.9235, 33.3116, 16.7097

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.2814, 32.0062, 26.8248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9235, 33.3116, 16.7097 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(158, 160, 99)` looks like.

```
.text, #text, p{  
    color:rgb(158, 160, 99)  
}
```

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(158, 160, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 160, 99) }
```

Border

The CSS property to change the border of an element to XYZ 28.9235, 33.3116, 16.7097 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(158, 160, 99) }
```


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

```
.border{ border-color:rgb(158, 160, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 160, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 160, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 160, 99);  
box-shadow:4px 4px 4px 4px rgb(158, 160,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9235, 33.3116, 16.7097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 160, 99) }
```

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

```
.background{ background-color: rgb(158,  
160, 99) }
```

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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