

Converting Colors

XYZ(29.4382, 36.2585, 10.8199)

Have a look what the booklet for
XYZ(29.4382, 36.2585, 10.8199)
contains.

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Color

**XYZ(29.4884, 36.4238,
10.7865)**

Conversions

Conversions Part 1

Format	Color
Hex	9EAA43
RGB	158, 170, 67
RGB Percent	62%, 67%, 26%
CMY	0.3804, 0.3333, 0.7372
CMYK	0.07, 0.00, 0.61, 0.33
HSL	67°, 43%, 46%
HSV	67°, 61%, 67%
XYZ	29.4884, 36.4238, 10.7865
YIQ	154.6700, 25.9110, -34.5770

Conversions

Conversions Part 2

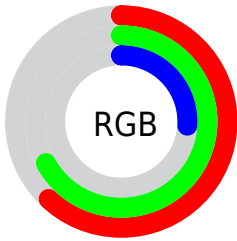
Format	Color
RYB	67, 170, 79
Decimal	10398275
CIELab	66.84, -18.59, 50.29
CIELCh	67, 53.617, 110.290
Yxy	36.4238, 0.3845, 0.4749
Android (android.graphics.Color)	4288588355 (0xFF9EAA43)
YUV	154.6700, -43.2213, 2.9204
Hunter-Lab	60.3521, -18.4001, 31.6498

Details

The XYZ color **29.4884, 36.4238, 10.7865** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.4886, 8.5797, 39.0302**, and the grayscale version is **31.1876, 32.8117, 35.7320**.

A 20% lighter version of the original color is **58.2793, 69.6294, 27.8209**, and **12.2312, 15.9175, 2.6575** is the 20% darker color. If you saturate the color by 10%, you get **28.6652, 36.0512, 8.4657**, and if you desaturate by 10%, it is **30.4694, 36.8629, 13.8976**.

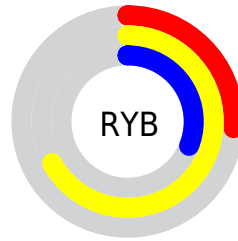
Distribution



Red (62%)

Green (67%)

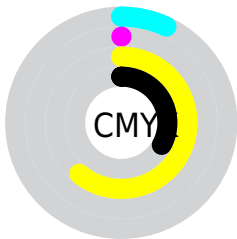
Blue (26%)



Red (26%)

Yellow (67%)

Blue (31%)

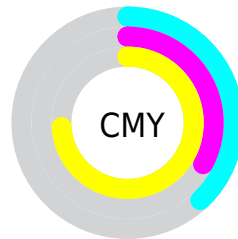


Cyan (7%)

Magenta (0%)

Yellow (61%)

Black (33%)



Cyan (38%)


Magenta (33%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4884, 36.4238, 10.7865 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 29.4884, 36.4238, 10.7865 by changing the saturation by 10% instead.


 29.4884, 36.4238,
10.7865


 29.4884, 36.4238,
10.7865

291.4652,
330.8091, 206.8815


 19.5967, 24.7617,
5.8111


 58.2444, 69.6857,
27.8953

 12.2088, 15.8996,
2.6636


 77.8394, 92.0543,
40.8657


 6.9593, 9.4531,
0.9250


 101.3996,
118.7604, 57.3383

 3.4827, 5.0379,
0.0000

 129.2902,
150.1886, 77.7315

 1.4139, 2.2695,
0.0000

 161.8768,
186.7231, 102.4639

 0.2661, 0.7575,
0.0000

199.5246,

 0.0000, 0.0000,

228.7485, 131.9540

0.0000

242.5989,
276.6490, 166.6203

■ 29.4884, 36.4238,
10.7865

■ 29.4884, 36.4238,
10.7865

■ 28.6652, 36.0512,
8.4657

■ 30.4694, 36.8629,
13.8976

■ 27.9836, 35.7346,
6.8616

■ 31.6174, 37.3682,
17.8593

■ 27.4284, 35.4693,
5.8909

■ 32.9441, 37.9458,
22.7289

■ 26.9883, 35.2532,
5.3821

■ 34.4593, 38.5994,
28.5577

■ 36.1721, 39.3329,
35.3936

■ 38.0909, 40.1495,
43.2810

■ 40.2238, 41.0524,
52.2618

■ 42.5782, 42.0448,
62.3755

■ 45.1613, 43.1294,
73.6597

Harmonies

Analogous

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



37.3170, 36.4238, 9.9162



29.4884, 36.4238, 10.7865



23.9551, 36.4238, 17.4209

Triad

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



29.4884, 36.4238, 10.7865



25.5814, 36.4238, 84.8957



52.3787, 36.4238, 47.6788

Complementary

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



29.4884, 36.4238, 10.7865



12.4886, 8.5797, 39.0302

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.



48.0561, 36.4238, 75.5851



29.4884, 36.4238, 10.7865



32.0556, 36.4238, 101.9807

Square

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



29.4884, 36.4238, 10.7865



21.9558, 36.4238, 57.2513



40.3143, 36.4238, 98.0317



51.4038, 36.4238, 26.0998

Rectangle

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



29.4884, 36.4238, 10.7865



21.9159, 36.4238, 26.4231



40.3143, 36.4238, 98.0317



51.4742, 36.4238, 56.7094

Sweetspot

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



29.4893, 36.4255, 10.7873



63.1899, 70.3186, 54.4534



20.2669, 14.3021, 7.0031



13.9042, 15.6009, 11.4062



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.4893, 36.4255, 10.7873



51.5161, 65.1811, 14.1271



21.5979, 32.3573, 10.4180



8.0595, 8.7288, 8.0493



19.8821, 25.9468, 3.9603



0.5071, 0.6434, 0.0975

Inverse Universe

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



12.4886, 8.5797, 39.0302



17.9811, 10.1397, 70.0113



18.2870, 11.5689, 39.3016



7.2100, 7.3409, 9.4553



5.5728, 2.2563, 28.1173



0.1596, 0.0673, 0.6852

Previews

White Background



This preview shows how the XYZ color 29.4884, 36.4238, 10.7865 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 29.4884, 36.4238, 10.7865 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 29.4884, 36.4238, 10.7865

Background



This preview shows how black text looks on a background with the XYZ color 29.4884, 36.4238, 10.7865.



This preview shows how white text looks on a background with the XYZ color 29.4884, 36.4238,

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

29.4884, 36.4238, 10.7865

Protanopia

33.1074, 36.3998, 10.2819

Deuteranopia

36.8127, 35.9966, 11.1387



Tritanopia

36.2067, 36.2098, 44.1106

Trichromacy



Original Color

29.4884, 36.4238, 10.7865

Protanomaly

31.8532, 36.5500, 10.5303

Deuteranomaly

33.6839, 35.8981, 10.9480

Tritanomaly

32.9173, 35.9149, 27.7516

Monochromacy



Original Color

29.4884, 36.4238, 10.7865

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.8563, 33.6396, 23.6584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4884, 36.4238, 10.7865 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, 170, 67)` looks like.

```
.text, #text, p{  
    color:rgb(158, 170, 67)  
}
```

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, 170, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 170, 67) }
```

Border

The CSS property to change the border of an element to XYZ 29.4884, 36.4238, 10.7865 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, 170, 67) }
```


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

```
.border{ border-color:rgb(158, 170, 67) }
```

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

Here you see how a box with a 4 pixel rgb(158, 170, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 170, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 170, 67);  
box-shadow:4px 4px 4px 4px rgb(158, 170,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4884, 36.4238, 10.7865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 170, 67) }
```

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

```
.background{ background-color: rgb(158,  
170, 67) }
```

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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