

Converting Colors

XYZ(30.0335, 34.8552, 19.4408)

Have a look what the booklet for
XYZ(30.0335, 34.8552, 19.4408)
contains.

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Color

**XYZ(30.0828, 34.9027,
19.3387)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA46C
RGB	158, 164, 108
RGB Percent	62%, 64%, 42%
CMY	0.3804, 0.3568, 0.5765
CMYK	0.04, 0.00, 0.34, 0.36
HSL	66°, 24%, 53%
HSV	66°, 34%, 64%
XYZ	30.0828, 34.9027, 19.3387
YIQ	155.8220, 14.4000, -18.6880

Conversions

Conversions Part 2

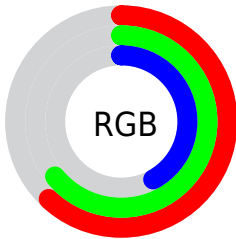
Format	Color
RYB	108, 164, 114
Decimal	10396780
CIELab	65.67, -11.29, 28.39
CIELCh	66, 30.556, 111.689
Yxy	34.9027, 0.3568, 0.4139
Android (android.graphics.Color)	4288586860 (0xFF9EA46C)
YUV	155.8220, -23.5762, 1.9101
Hunter-Lab	59.0785, -12.4951, 21.9470

Details

The XYZ color **30.0828, 34.9027, 19.3387** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.0041, 16.9837, 37.4005**, and the grayscale version is **31.6186, 33.2652, 36.2258**.

A 20% lighter version of the original color is **59.1173, 67.3472, 43.1412**, and **12.5274, 14.9683, 6.3666** is the 20% darker color. If you saturate the color by 10%, you get **28.9478, 34.4102, 15.1502**, and if you desaturate by 10%, it is **31.3887, 35.4665, 24.3937**.

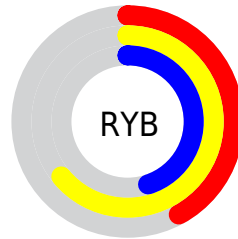
Distribution



Red (62%)

Green (64%)

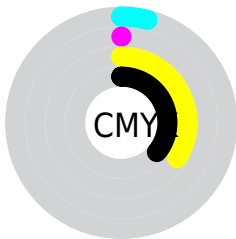
Blue (42%)



Red (42%)

Yellow (64%)

Blue (45%)

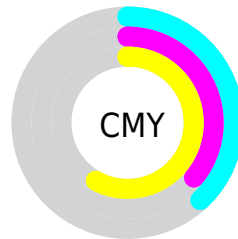


Cyan (4%)

Magenta (0%)

Yellow (34%)

Black (36%)



Cyan (38%)

Magenta (36%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0828, 34.9027, 19.3387 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 30.0828, 34.9027, 19.3387 by changing the saturation by 10% instead.

■ 30.0828, 34.9027,
19.3387

■ 30.0828, 34.9027,
19.3387

294.1931,
324.1386, 260.7970

■ 20.0498, 23.5879,
11.7360

■ 59.1788, 67.3350,
43.1499

■ 12.5397, 15.0282,
6.4438

■ 78.9726, 89.2213,
60.1955

■ 7.1872, 8.8392,
3.0437

■ 102.7507,
115.4003, 81.2259

■ 3.6268, 4.6364,
1.1170

■ 130.8784,
146.2563, 106.6594

■ 1.4933, 2.0356,
0.0000

163.7212,
182.1738, 136.9148

■ 0.3212, 0.6280,
0.0000

201.6443,

■ 0.0000, 0.0000,

223.5370, 172.4105

0.0000

245.0132,
270.7305, 213.5650

■ 30.0828, 34.9027,
19.3387

■ 30.0828, 34.9027,
19.3387

■ 28.9478, 34.4102,
15.1502

■ 31.3887, 35.4665,
24.3937

■ 27.9718, 33.9807,
11.7774

■ 32.8715, 36.1005,
30.3579

■ 27.1456, 33.6117,
9.1676


■ 34.5400, 36.8092,
37.2736


■ 26.4578, 33.2986,
7.2610


■ 36.4015, 37.5958,
45.1801

■ 25.8953, 33.0362,
5.9891


■ 38.4632, 38.4630,
54.1142


 25.4425, 32.8183,
5.2692

 40.7317, 39.4136,
64.1110

 25.2054, 32.7021,
4.9837

 43.2133, 40.4499,
75.2040

 45.9142, 41.5746,
87.4249

 48.7426, 42.7509,
100.2905

Harmonies

Analogous

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



34.4383, 34.9027, 18.4034



30.0828, 34.9027, 19.3387



26.8470, 34.9027, 24.6370

Triad

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



30.0828, 34.9027, 19.3387



28.1018, 34.9027, 60.9081



42.4767, 34.9027, 41.6923

Complementary

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



30.0828, 34.9027, 19.3387



19.0041, 16.9837, 37.4005

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.



40.4242, 34.9027, 55.4954



30.0828, 34.9027, 19.3387



31.9410, 34.9027, 68.1152

Square

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



30.0828, 34.9027, 19.3387



25.7772, 34.9027, 47.8990



36.4700, 34.9027, 65.9378



41.8655, 34.9027, 29.5737

Rectangle

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



30.0828, 34.9027, 19.3387



25.6303, 34.9027, 30.7485



36.4700, 34.9027, 65.9378



42.0693, 34.9027, 46.3175

Sweetspot

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



30.0837, 34.9043, 19.3394



60.8219, 66.0176, 59.8605



23.9901, 20.9207, 16.9615



13.2106, 14.3960, 12.7306



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.



30.0837, 34.9043, 19.3394



53.0051, 62.6592, 29.1675



25.2509, 32.4129, 19.1133



7.5743, 8.1985, 7.5634



19.3493, 25.0854, 3.8222



0.4265, 0.5374, 0.0812

Inverse Universe

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



19.0041, 16.9837, 37.4005



29.7922, 25.1008, 67.0270



23.1513, 19.1217, 37.5945



6.7677, 6.8946, 8.8772



5.3445, 2.1617, 27.0653



0.1319, 0.0555, 0.5696

Previews

White Background



This preview shows how the XYZ color 30.0828, 34.9027, 19.3387 looks on a white background.

Color Contrast Check

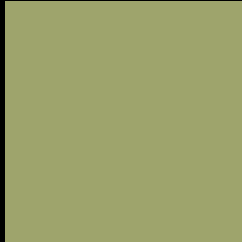
Large Text (above 18pt) WCAG AA × Fail

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 30.0828, 34.9027, 19.3387 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

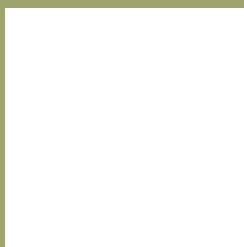
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0828, 34.9027, 19.3387

Background



This preview shows how black text looks on a background with the XYZ color 30.0828, 34.9027, 19.3387.



This preview shows how white text looks on a background with the XYZ color 30.0828, 34.9027,

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

30.0828, 34.9027, 19.3387

Protanopia

32.2332, 34.7211, 18.6386

Deuteranopia

35.4409, 34.8554, 19.6117



Tritanopia

34.7758, 34.7485, 42.4104

Trichromacy



Original Color

30.0828, 34.9027, 19.3387

Protanomaly

31.5472, 34.8761, 18.9790

Deuteranomaly

33.1774, 34.6830, 19.4139

Tritanomaly

32.7689, 34.6894, 32.5724

Monochromacy



Original Color

30.0828, 34.9027, 19.3387

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9630, 33.8285, 29.3237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0828, 34.9027, 19.3387 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, 164, 108)` looks like.

```
.text, #text, p{  
    color:rgb(158, 164, 108)  
}
```

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, 164, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 164, 108) }
```

Border

The CSS property to change the border of an element to XYZ 30.0828, 34.9027, 19.3387 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, 164, 108) }
```


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

```
.border{ border-color:rgb(158, 164, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 164, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 164, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 164, 108);  
box-shadow:4px 4px 4px 4px rgb(158, 164,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0828, 34.9027, 19.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 164, 108) }
```

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

```
.background{ background-color: rgb(158,  
164, 108) }
```

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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