

Converting Colors

XYZ(30.0857, 36.8093, 19.9872)

Have a look what the booklet for
XYZ(30.0857, 36.8093, 19.9872)
contains.

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Color

**XYZ(30.0857, 36.8093,
19.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	97AB6D
RGB	151, 171, 109
RGB Percent	59%, 67%, 43%
CMY	0.4078, 0.3294, 0.5725
CMYK	0.12, 0.00, 0.36, 0.33
HSL	79°, 27%, 55%
HSV	79°, 36%, 67%
XYZ	30.0857, 36.8093, 19.9872
YIQ	157.9520, 7.9820, -23.5220

Conversions

Conversions Part 2

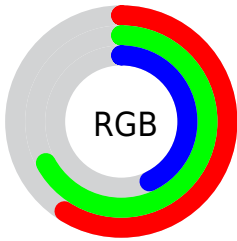
Format	Color
RYB	109, 171, 129
Decimal	9939821
CIELab	67.13, -17.58, 29.67
CIELCh	67, 34.486, 120.647
Yxy	36.8093, 0.3463, 0.4237
Android (android.graphics.Color)	4288129901 (0xFF97AB6D)
YUV	157.9520, -24.1333, -6.0969
Hunter-Lab	60.6707, -17.6581, 22.9371

Details

The XYZ color **30.0857, 36.8093, 19.9872** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.8741, 18.5457, 40.9570**, and the grayscale version is **32.5819, 34.2787, 37.3295**.

A 20% lighter version of the original color is **59.0830, 70.0877, 44.1325**, and **12.5580, 16.1725, 6.7347** is the 20% darker color. If you saturate the color by 10%, you get **28.2535, 35.9621, 15.5549**, and if you desaturate by 10%, it is **32.1468, 37.7561, 25.3666**.

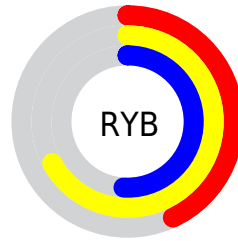
Distribution



Red (59%)

Green (67%)

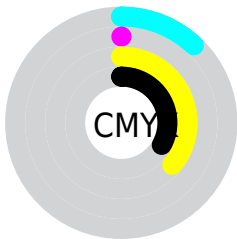
Blue (43%)



Red (43%)

Yellow (67%)

Blue (51%)

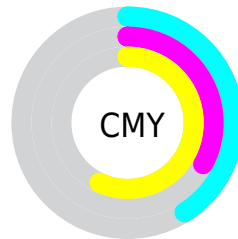


Cyan (12%)

Magenta (0%)

Yellow (36%)

Black (33%)



Cyan (41%)

Magenta (33%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0857, 36.8093, 19.9872 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 30.0857, 36.8093, 19.9872 by changing the saturation by 10% instead.

■ 30.0857, 36.8093,
19.9872

■ 30.0857, 36.8093,
19.9872

294.2064,
332.4842, 264.4478

■ 20.0520, 25.0599,
12.2018

■ 59.1834, 70.2794,
44.2544

■ 12.5414, 16.1217,
6.7570

■ 78.9781, 92.7688,
61.5733

■ 7.1883, 9.6103,
3.2345

■ 102.7572,
119.6071, 82.9070

■ 3.6275, 5.1413,
1.2156

■ 130.8861,
151.1785, 108.6741

■ 1.4936, 2.3304,
0.0000

163.7301,
187.8676, 139.2932

■ 0.3215, 0.7897,
0.0000

201.6546,

■ 0.0000, 0.0000,

230.0586, 175.1829

0.0000

245.0249,
278.1360, 216.7615

■ 30.0857, 36.8093,
19.9872

■ 30.0857, 36.8093,
19.9872

■ 28.2535, 35.9621,
15.5549

■ 32.1468, 37.7561,
25.3666

■ 26.6363, 35.2052,
12.0123

■ 34.4443, 38.8018,
31.7412

■ 25.2229, 34.5351,
9.2997

■ 36.9886, 39.9519,
39.1589

■ 23.9998, 33.9465,
7.3488

■ 39.7887, 41.2100,
47.6634

■ 22.9511, 33.4329,
6.0807

■ 42.8530, 42.5797,
57.2963

■ 22.0559, 32.9858,
5.3882

■ 46.1895, 44.0641,
68.0968

■ 21.7438, 32.8289,
5.1906

■ 49.8060, 45.6665,
80.1023

■ 53.7098, 47.3898,
93.3485

■ 56.6086, 48.7173,
101.0275

Harmonies

Analogous

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



34.8723, 36.8093, 17.5535



30.0857, 36.8093, 19.9872



26.8998, 36.8093, 27.5051

Triad

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



30.0857, 36.8093, 19.9872



30.2646, 36.8093, 70.9508



46.0897, 36.8093, 39.7535

Complementary

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



30.0857, 36.8093, 19.9872



21.8741, 18.5457, 40.9570

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.



44.5495, 36.8093, 55.9979



30.0857, 36.8093, 19.9872



35.1002, 36.8093, 76.5230

Square

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



30.0857, 36.8093, 19.9872



26.9956, 36.8093, 56.7075



40.3917, 36.8093, 70.4741



44.4157, 36.8093, 27.0676

Rectangle

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



30.0857, 36.8093, 19.9872



25.9359, 36.8093, 35.5589



40.3917, 36.8093, 70.4741



45.9292, 36.8093, 44.9669

Sweetspot

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



30.0866, 36.8109, 19.9880



63.9354, 70.5072, 63.3315



27.3583, 25.3673, 17.9229



14.1257, 15.6636, 13.7388



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.



30.0866, 36.8109, 19.9880



51.0587, 64.6172, 28.9284



25.1211, 34.2511, 19.7556



8.4076, 9.1987, 8.5458



16.4475, 24.7761, 3.9154



0.5114, 0.7170, 0.1114

Inverse Universe

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



21.8741, 18.5457, 40.9570



34.0601, 26.7814, 72.3761



27.2447, 21.3143, 41.2084



7.8131, 7.8780, 10.0615



6.7859, 2.8581, 29.2385



0.2468, 0.1094, 0.8161

Previews

White Background



This preview shows how the XYZ color 30.0857, 36.8093, 19.9872 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 30.0857, 36.8093, 19.9872 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 30.0857, 36.8093, 19.9872

Background



This preview shows how black text looks on a background with the XYZ color 30.0857, 36.8093, 19.9872.



This preview shows how white text looks on a background with the XYZ color 30.0857, 36.8093,

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

30.0857, 36.8093, 19.9872

Protanopia

33.8302, 36.5821, 18.9137

Deuteranopia

37.3188, 36.5489, 20.4170



Tritanopia

35.4309, 36.8026, 46.3105

Trichromacy



Original Color

30.0857, 36.8093, 19.9872

Protanomaly

32.4385, 36.6588, 19.2761

Deuteranomaly

34.2045, 36.2211, 20.2275

Tritanomaly

33.2083, 36.7075, 35.0408

Monochromacy



Original Color

30.0857, 36.8093, 19.9872

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3484, 35.0564, 29.9253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0857, 36.8093, 19.9872 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(151, 171, 109)` looks like.

```
.text, #text, p{  
    color:rgb(151, 171, 109)  
}
```

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(151, 171, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 171, 109) }
```

Border

The CSS property to change the border of an element to XYZ 30.0857, 36.8093, 19.9872 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(151, 171, 109) }
```


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

```
.border{ border-color:rgb(151, 171, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 171, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 171, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 171, 109);  
box-shadow:4px 4px 4px 4px rgb(151, 171,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0857, 36.8093, 19.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 171, 109) }
```

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

```
.background{ background-color: rgb(151,  
171, 109) }
```

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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