

Converting Colors

XYZ(30.8932, 34.9889, 24.7509)

Have a look what the booklet for
XYZ(30.8932, 34.9889, 24.7509)
contains.

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Color

**XYZ(30.9636, 34.9698,
24.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA37E
RGB	158, 163, 126
RGB Percent	62%, 64%, 49%
CMY	0.3804, 0.3608, 0.5059
CMYK	0.03, 0.00, 0.23, 0.36
HSL	68°, 17%, 57%
HSV	68°, 23%, 64%
XYZ	30.9636, 34.9698, 24.8566
YIQ	157.2870, 8.8970, -12.5670

Conversions

Conversions Part 2

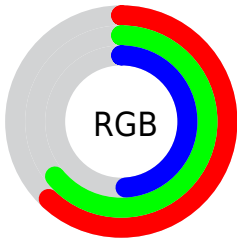
Format	Color
RYB	126, 163, 131
Decimal	10396542
CIELab	65.73, -8.22, 18.67
CIELCh	66, 20.403, 113.772
Yxy	34.9698, 0.3410, 0.3852
Android (android.graphics.Color)	4288586622 (0xFF9EA37E)
YUV	157.2870, -15.4245, 0.6253
Hunter-Lab	59.1353, -10.0230, 16.4730

Details

The XYZ color **30.9636, 34.9698, 24.8566** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.4332, 22.3923, 37.7393**, and the grayscale version is **32.2423, 33.9214, 36.9404**.

A 20% lighter version of the original color is **60.6487, 67.5436, 52.4885**, and **12.9679, 14.9689, 9.2270** is the 20% darker color. If you saturate the color by 10%, you get **29.5670, 34.3627, 19.7410**, and if you desaturate by 10%, it is **32.5412, 35.6526, 30.8768**.

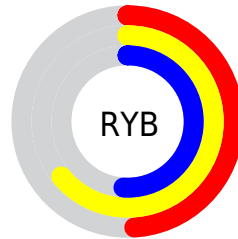
Distribution



Red (62%)

Green (64%)

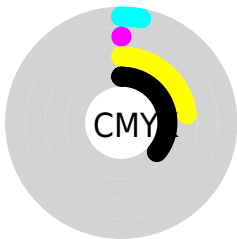
Blue (49%)



Red (49%)

Yellow (64%)

Blue (51%)

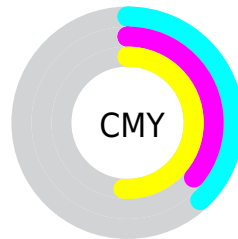


Cyan (3%)

Magenta (0%)

Yellow (23%)

Black (36%)



Cyan (38%)

Magenta (36%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9636, 34.9698, 24.8566 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 30.9636, 34.9698, 24.8566 by changing the saturation by 10% instead.

■ 30.9636, 34.9698,
24.8566

■ 30.9636, 34.9698,
24.8566

298.2005,
324.4350, 290.5478

■ 20.7228, 23.6396,
15.7522

■ 60.5590, 67.4390,
52.3857

■ 13.0329, 15.0665,
9.1965

■ 80.6443, 89.3468,
71.6475

■ 7.5283, 8.8661,
4.7710

■ 104.7419,
115.5492, 95.1322

■ 3.8439, 4.6539,
2.0572

133.2170,
146.4307, 123.2583

■ 1.6142, 2.0457,
0.5901

166.4351,
182.3756, 156.4444

■ 0.4016, 0.6338,
0.0000

204.7614,

■ 0.0000, 0.0000,

223.7684, 195.1090

0.0000

248.5614,
270.9934, 239.6706

■ 30.9636, 34.9698,
24.8566

■ 30.9636, 34.9698,
24.8566

■ 29.5670, 34.3627,
19.7410

■ 32.5412, 35.6526,
30.8768

■ 28.3403, 33.8233,
15.4841

■ 34.3049, 36.4095,
37.8400

■ 27.2755, 33.3495,
12.0393

■ 36.2629, 37.2451,
45.7852

■ 26.3627, 32.9374,
9.3548

■ 38.4221, 38.1620,
54.7485

■ 25.5908, 32.5825,
7.3727

■ 40.7889, 39.1629,
64.7642

■ 24.9473, 32.2799,
6.0269

■ 43.3697, 40.2503,
75.8650

■ 24.4171, 32.0235,
5.2388

■ 46.1705, 41.4267,
88.0821

■ 24.0758, 31.8551,
4.8797

■ 48.9699, 42.6034,
100.2500

■ 49.4710, 42.8617,
100.2735

Harmonies

Analogous

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



33.8682, 34.9698, 23.8869



30.9636, 34.9698, 24.8566



28.7932, 34.9698, 29.1137

Triad

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



30.9636, 34.9698, 24.8566



29.9401, 34.9698, 53.0379



39.3159, 34.9698, 39.8987

Complementary

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



30.9636, 34.9698, 24.8566



23.4332, 22.3923, 37.7393

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.



38.1176, 34.9698, 48.7117



30.9636, 34.9698, 24.8566



32.6152, 34.9698, 56.9991

Square

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



30.9636, 34.9698, 24.8566



28.2276, 34.9698, 45.1404



35.6206, 34.9698, 55.3074



38.8082, 34.9698, 31.7903

Rectangle

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



30.9636, 34.9698, 24.8566



27.9952, 34.9698, 33.6385



35.6206, 34.9698, 55.3074



39.0971, 34.9698, 42.8879

Sweetspot

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



30.9645, 34.9713, 24.8573



59.9930, 64.5856, 62.0283



26.9787, 25.5086, 23.2409



13.4348, 14.4888, 13.7759



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.



30.9645, 34.9713, 24.8573



54.2115, 62.0885, 39.9196



27.6067, 33.2403, 24.7002



7.5548, 8.1885, 7.5624



18.7382, 24.7704, 3.7936



0.4181, 0.5330, 0.0808

Inverse Universe

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



23.4332, 22.3923, 37.7393



38.4261, 35.7196, 66.9254



26.5465, 23.9973, 37.8850



6.7854, 6.9037, 8.8780



5.4194, 2.2003, 27.0688



0.1382, 0.0588, 0.5699

Previews

White Background



This preview shows how the XYZ color 30.9636, 34.9698, 24.8566 looks on a white background.

Color Contrast Check

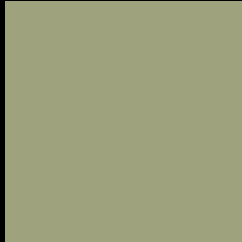
Large Text (above 18pt) WCAG AA × Fail

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 30.9636, 34.9698, 24.8566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

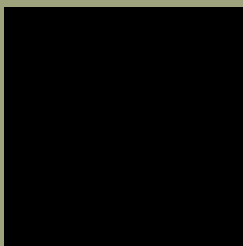
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

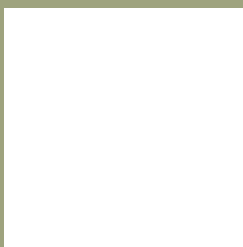
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9636, 34.9698, 24.8566

Background



This preview shows how black text looks on a background with the XYZ color 30.9636, 34.9698, 24.8566.



This preview shows how white text looks on a background with the XYZ color 30.9636, 34.9698,

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

30.9636, 34.9698, 24.8566

Protanopia

32.6138, 34.7976, 24.0665

Deuteranopia

35.5372, 34.7801, 25.2623



Tritanopia

34.6225, 34.9087, 42.9435

Trichromacy



Original Color

30.9636, 34.9698, 24.8566

Protanomaly

31.9984, 34.7293, 24.4190

Deuteranomaly

33.7922, 34.8764, 25.0294

Tritanomaly

33.1312, 34.8108, 35.5448

Monochromacy



Original Color

30.9636, 34.9698, 24.8566

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.4911, 34.0397, 32.1047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9636, 34.9698, 24.8566 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, 163, 126)` looks like.

```
.text, #text, p{  
    color:rgb(158, 163, 126)  
}
```

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, 163, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 163, 126) }
```

Border

The CSS property to change the border of an element to XYZ 30.9636, 34.9698, 24.8566 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, 163, 126) }
```


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

```
.border{ border-color:rgb(158, 163, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 163, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 163, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 163, 126);  
box-shadow:4px 4px 4px 4px rgb(158, 163,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9636, 34.9698, 24.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 163, 126) }
```

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

```
.background{ background-color: rgb(158,  
163, 126) }
```

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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