

Converting Colors

XYZ(30.1075, 37.9085, 14.9897)

Have a look what the booklet for
XYZ(30.1075, 37.9085, 14.9897)
contains.

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Color

**XYZ(30.0344, 37.7490,
14.9358)**

Conversions

Conversions Part 1

Format	Color
Hex	99AE58
RGB	153, 174, 88
RGB Percent	60%, 68%, 35%
CMY	0.4000, 0.3176, 0.6549
CMYK	0.12, 0.00, 0.49, 0.32
HSL	75°, 35%, 51%
HSV	75°, 49%, 68%
XYZ	30.0344, 37.7490, 14.9358
YIQ	157.9170, 15.0900, -31.1980

Conversions

Conversions Part 2

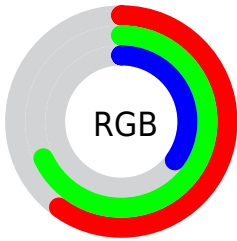
Format	Color
RYB	88, 174, 109
Decimal	10071640
CIELab	67.84, -20.80, 41.40
CIELCh	68, 46.327, 116.673
Yxy	37.7490, 0.3631, 0.4564
Android (android.graphics.Color)	4288261720 (0xFF99AE58)
YUV	157.9170, -34.4691, -4.3122
Hunter-Lab	61.4402, -20.2625, 28.5951

Details

The XYZ color **30.0344, 37.7490, 14.9358** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.4378, 13.2876, 41.6923**, and the grayscale version is **32.6092, 34.3074, 37.3607**.

A 20% lighter version of the original color is **59.3249, 72.0424, 35.5898**, and **12.5649, 16.7683, 4.4081** is the 20% darker color. If you saturate the color by 10%, you get **28.6104, 37.0897, 11.5456**, and if you desaturate by 10%, it is **31.6609, 38.4952, 19.2350**.

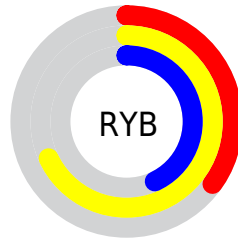
Distribution



Red (60%)

Green (68%)

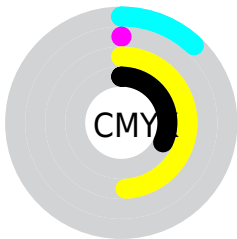
Blue (35%)



Red (35%)

Yellow (68%)

Blue (43%)

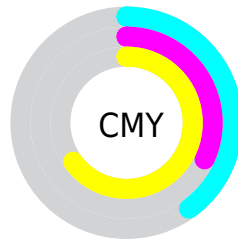


Cyan (12%)

Magenta (0%)

Yellow (49%)

Black (32%)



Cyan (40%)

Magenta (32%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0344, 37.7490, 14.9358 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 30.0344, 37.7490, 14.9358 by changing the saturation by 10% instead.

30.0344, 37.7490,
14.9358

30.0344, 37.7490,
14.9358

293.9717,
336.5420, 234.6047

20.0129, 25.7879,
8.6282

59.1028, 71.7233,
35.4812

12.5127, 16.6651,
4.4060

78.8805, 94.5052,
50.5561

7.1686, 9.9960,
1.8506

102.6409,
121.6630, 69.3906

3.6150, 5.3963,
0.4610

130.7494,
153.5809, 92.4031

1.4867, 2.4816,
0.0000

163.5714,
190.6434, 120.0122

0.3168, 0.8674,
0.0000

201.4722,

0.0000, 0.0000,

233.2348, 152.6365

0.0000

244.8172,
281.7395, 190.6945

■ 30.0344, 37.7490,
14.9358

■ 30.0344, 37.7490,
14.9358

■ 28.6104, 37.0897,
11.5456

■ 31.6609, 38.4952,
19.2350

■ 27.3734, 36.5071,
8.9964

■ 33.4985, 39.3280,
24.4998

■ 26.3099, 35.9972,
7.2147


■ 35.5589, 40.2531,
30.7852


■ 25.4029, 35.5531,
6.1132


■ 37.8517, 41.2747,
38.1411


■ 24.6193, 35.1615,
5.5180


■ 40.3862, 42.3963,
46.6145

 24.5757, 35.1397,
5.4874

 43.1709, 43.6215,
56.2491

 46.2140, 44.9536,
67.0868

 49.5234, 46.3957,
79.1671

 53.1063, 47.9508,
92.5277

Harmonies

Analogous

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



36.6861, 37.7490, 12.9257



30.0344, 37.7490, 14.9358



25.5401, 37.7490, 22.9879

Triad

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



30.0344, 37.7490, 14.9358



28.8191, 37.7490, 83.7563



51.4940, 37.7490, 43.4388

Complementary

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



30.0344, 37.7490, 14.9358



17.4378, 13.2876, 41.6923

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.



48.6887, 37.7490, 66.8637



30.0344, 37.7490, 14.9358



35.0844, 37.7490, 94.5269

Square

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



30.0344, 37.7490, 14.9358



24.9070, 37.7490, 61.5178



42.4372, 37.7490, 87.4973



49.6769, 37.7490, 25.7916

Rectangle

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



30.0344, 37.7490, 14.9358



24.0569, 37.7490, 32.6488



42.4372, 37.7490, 87.4973



51.0520, 37.7490, 50.9018

Sweetspot

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



30.0353, 37.7507, 14.9366



66.1747, 73.7606, 61.1474



24.5879, 20.4436, 11.8831



14.5207, 16.3105, 12.9950



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.0353, 37.7507, 14.9366



51.7451, 67.2041, 20.6119



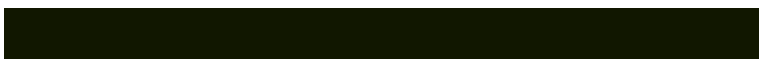
23.4459, 34.3537, 14.6282



8.4687, 9.2302, 8.5486



17.8795, 25.5143, 3.9824



0.5428, 0.7332, 0.1129

Inverse Universe

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



17.4378, 13.2876, 41.6923



26.3446, 17.7975, 74.6836



23.9059, 16.6220, 41.9950



7.7553, 7.8482, 10.0588



6.2951, 2.6051, 29.2156



0.2243, 0.0978, 0.8150

Previews

White Background



This preview shows how the XYZ color 30.0344, 37.7490, 14.9358 looks on a white background.

Color Contrast Check

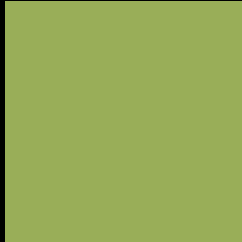
Large Text (above 18pt) WCAG AA × Fail

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 30.0344, 37.7490, 14.9358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

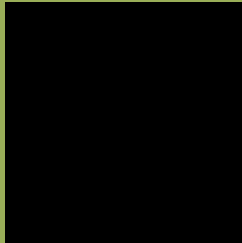
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0344, 37.7490, 14.9358

Background



This preview shows how black text looks on a background with the XYZ color 30.0344, 37.7490, 14.9358.



This preview shows how white text looks on a background with the XYZ color 30.0344, 37.7490,

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

30.0344, 37.7490, 14.9358

Protanopia

34.3862, 37.5112, 14.0224

Deuteranopia

38.0761, 37.3042, 15.3188



Tritanopia

36.5211, 37.6178, 46.9311

Trichromacy



Original Color

30.0344, 37.7490, 14.9358

Protanomaly

32.4769, 37.3351, 14.2988

Deuteranomaly

34.7527, 37.1401, 15.2346

Tritanomaly

33.6107, 37.5232, 32.2593

Monochromacy



Original Color

30.0344, 37.7490, 14.9358

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.2194, 35.3123, 27.3608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0344, 37.7490, 14.9358 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(153, 174, 88)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 88)  
}
```

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(153, 174, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 88) }
```

Border

The CSS property to change the border of an element to XYZ 30.0344, 37.7490, 14.9358 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(153, 174, 88) }
```


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

```
.border{ border-color:rgb(153, 174, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 174, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 88);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0344, 37.7490, 14.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 88) }
```

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

```
.background{ background-color: rgb(153,  
174, 88) }
```

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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