

Converting Colors

XYZ(37.0525, 44.0325, 25.1011)

Have a look what the booklet for
XYZ(37.0525, 44.0325, 25.1011)
contains.

XYZ(37.0155, 44.1211, 24.9777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0155, 44.1211,
24.9777)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B87A
RGB	169, 184, 122
RGB Percent	66%, 72%, 48%
CMY	0.3373, 0.2784, 0.5216
CMYK	0.08, 0.00, 0.34, 0.28
HSL	75°, 30%, 60%
HSV	75°, 34%, 72%
XYZ	37.0155, 44.1211, 24.9777
YIQ	172.4470, 10.9620, -22.4620

Conversions

Conversions Part 2

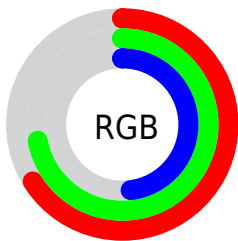
Format	Color
RYB	122, 184, 137
Decimal	11122810
CIELab	72.31, -15.51, 29.83
CIElCh	72, 33.618, 117.476
Yxy	44.1211, 0.3488, 0.4158
Android (android.graphics.Color)	4289312890 (0xFFA9B87A)
YUV	172.4470, -24.8704, -3.0230
Hunter-Lab	66.4237, -16.7700, 24.2014

Details

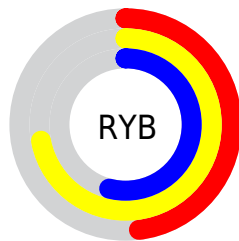
The XYZ color **37.0155, 44.1211, 24.9777** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.9296, 22.6994, 48.3646**, and the grayscale version is **39.5585, 41.6187, 45.3227**.

A 20% lighter version of the original color is **69.9493, 81.4229, 52.5869**, and **16.4885, 20.4135, 9.2021** is the 20% darker color. If you saturate the color by 10%, you get **35.0430, 43.2251, 19.4872**, and if you desaturate by 10%, it is **39.2387, 45.1241, 31.6086**.

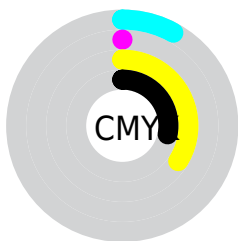
Distribution



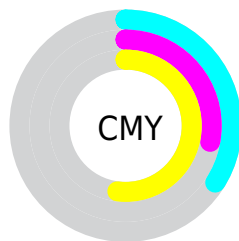
- Red (66%)
- Green (72%)
- Blue (48%)



- Red (48%)
- Yellow (72%)
- Blue (54%)



- Cyan (8%)
- Magenta (0%)
- Yellow (34%)
- Black (28%)





- Cyan (34%)
- Magenta (28%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0155, 44.1211, 24.9777 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 37.0155, 44.1211, 24.9777 by changing the saturation by 10% instead.


 37.0155, 44.1211,
24.9777


 37.0155, 44.1211,
24.9777


324.7320,
363.2022, 291.1710


 25.3932, 30.7657,
15.8416


 69.9103, 81.3999,
52.5847

 16.5006, 20.4205,
9.2590

 91.9135, 106.0922,
71.8927

 9.9721, 12.7011,
4.8114

 118.1078,
135.3322, 95.4283

 5.4426, 7.2230,
2.0802

148.8584,
169.5043, 123.6102

 2.5466, 3.6020,
0.6040

184.5308,
208.9930, 156.8569

 0.9188, 1.4535,
0.0000

225.4903,

 0.0000, 0.2557,

254.1826, 195.5869

0.0000

272.1022,
305.4576, 240.2187

■ 0.0000, 0.0000,
0.0000

■ 37.0155, 44.1211,
24.9777

■ 37.0155, 44.1211,
24.9777

■ 35.0430, 43.2251,
19.4872

■ 39.2387, 45.1241,
31.6086

■ 33.3052, 42.4252,
15.0698

■ 41.7208, 46.2330,
39.4363

■ 31.7896, 41.7179,
11.6558


■ 44.4737, 47.4541,
48.5169


■ 30.4808, 41.0969,
9.1658


■ 47.5076, 48.7914,
58.9022


■ 29.3611, 40.5552,
7.5087

■ 50.8320, 50.2488,
70.6410

 28.4093, 40.0843,
6.5748

 54.4559, 51.8299,
83.7797

 27.8686, 39.8129,
6.2158

 58.3881, 53.5384,
98.3624

 60.2643, 54.4284,
101.9372

 61.5073, 55.0692,
101.9954

Harmonies

Analogous

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



42.4270, 44.1211, 22.7468



37.0155, 44.1211, 24.9777



33.2477, 44.1211, 32.8822

Triad

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



37.0155, 44.1211, 24.9777



36.2410, 44.1211, 80.1757



54.0442, 44.1211, 49.4555

Complementary

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



37.0155, 44.1211, 24.9777



25.9296, 22.6994, 48.3646

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.



52.0191, 44.1211, 67.2606



37.0155, 44.1211, 24.9777



41.4483, 44.1211, 87.3585

Square

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



37.0155, 44.1211, 24.9777



32.8303, 44.1211, 64.2682



47.2738, 44.1211, 82.1638



52.5861, 44.1211, 34.8037

Rectangle

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



37.0155, 44.1211, 24.9777



31.9974, 44.1211, 41.4650



47.2738, 44.1211, 82.1638



53.7444, 44.1211, 55.2766

Sweetspot

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



37.0166, 44.1231, 24.9786



77.3303, 84.5630, 77.0294



32.1516, 29.3369, 22.3810



16.5241, 18.1648, 16.1263



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.0166, 44.1231, 24.9786



64.5582, 78.8266, 38.1260



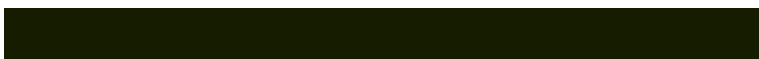
31.2245, 41.1371, 24.7076



9.5321, 10.3909, 9.6102



19.2718, 27.4713, 4.2868



0.7313, 0.9952, 0.1535

Inverse Universe

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



25.9296, 22.6994, 48.3646



41.5708, 34.3834, 86.6503



31.6479, 25.6473, 48.6323



8.7192, 8.8216, 11.3226



6.7489, 2.7904, 31.4360



0.2952, 0.1279, 1.1109

Previews

White Background



This preview shows how the XYZ color 37.0155, 44.1211, 24.9777 looks on a white background.

Color Contrast Check

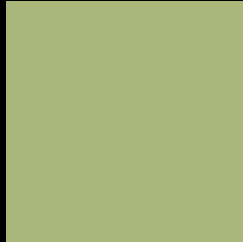
Large Text (above 18pt) WCAG AA × Fail

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 37.0155, 44.1211, 24.9777 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

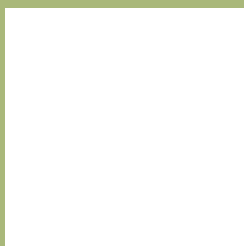
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0155, 44.1211, 24.9777

Background



This preview shows how black text looks on a background with the XYZ color 37.0155, 44.1211, 24.9777.



This preview shows how white text looks on a background with the XYZ color 37.0155, 44.1211,

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

37.0155, 44.1211, 24.9777

Protanopia

40.7901, 43.9827, 23.7924

Deuteranopia

44.9404, 44.0790, 25.5415



Tritanopia

43.0707, 44.1898, 54.4035

Trichromacy



Original Color

37.0155, 44.1211, 24.9777

Protanomaly

39.4786, 44.1889, 24.2179

Deuteranomaly

41.7330, 43.8509, 25.3333

Tritanomaly

40.5908, 44.0708, 41.9645

Monochromacy



Original Color

37.0155, 44.1211, 24.9777

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.1527, 42.0417, 36.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0155, 44.1211, 24.9777 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(169, 184, 122)` looks like.

```
.text, #text, p{  
    color:rgb(169, 184, 122)  
}
```

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(169, 184, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 184, 122) }
```

Border

The CSS property to change the border of an element to XYZ 37.0155, 44.1211, 24.9777 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(169, 184, 122) }
```


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

```
.border{ border-color:rgb(169, 184, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 184, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 184, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 184, 122);  
box-shadow:4px 4px 4px 4px rgb(169, 184,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0155, 44.1211, 24.9777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 184, 122) }
```

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

```
.background{ background-color: rgb(169,  
184, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor