

Converting Colors

XYZ(36.7155, 44.2692, 24.8944)

Have a look what the booklet for
XYZ(36.7155, 44.2692, 24.8944)
contains.

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Color

**XYZ(36.7982, 44.3186,
25.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B97A
RGB	167, 185, 122
RGB Percent	65%, 73%, 48%
CMY	0.3451, 0.2745, 0.5216
CMYK	0.10, 0.00, 0.34, 0.27
HSL	77°, 31%, 60%
HSV	77°, 34%, 73%
XYZ	36.7982, 44.3186, 25.0272
YIQ	172.4360, 9.4950, -23.4090

Conversions

Conversions Part 2

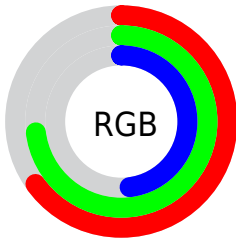
Format	Color
RYB	122, 185, 140
Decimal	10991994
CIELab	72.44, -16.79, 29.97
CIELCh	72, 34.356, 119.262
Yxy	44.3186, 0.3467, 0.4175
Android (android.graphics.Color)	4289182074 (0xFFA7B97A)
YUV	172.4360, -24.8649, -4.7674
Hunter-Lab	66.5722, -17.8344, 24.3110

Details

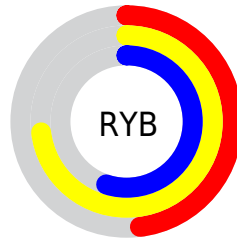
The XYZ color **36.7982, 44.3186, 25.0272** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.5334, 22.9985, 48.9422**, and the grayscale version is **39.5535, 41.6134, 45.3170**.

A 20% lighter version of the original color is **69.6246, 81.6937, 52.6563**, and **16.3604, 20.5478, 9.2347** is the 20% darker color. If you saturate the color by 10%, you get **34.6655, 43.3406, 19.5028**, and if you desaturate by 10%, it is **39.1971, 45.4113, 31.7049**.

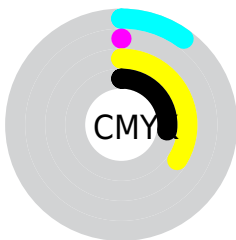
Distribution



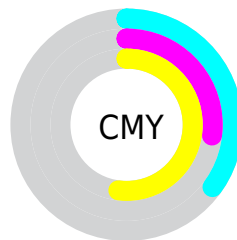
- Red (65%)
- Green (73%)
- Blue (48%)



- Red (48%)
- Yellow (73%)
- Blue (55%)



- Cyan (10%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (35%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7982, 44.3186, 25.0272 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 36.7982, 44.3186, 25.0272 by changing the saturation by 10% instead.


 36.7982, 44.3186,
25.0272


 36.7982, 44.3186,
25.0272


323.8067,
364.0068, 291.4254

 25.2242, 30.9211,
15.8781


 69.5782, 81.6969,
52.6660

 16.3738, 20.5387,
9.2845


 91.5149, 106.4465,
71.9928

 9.8816, 12.7873,
4.8279

 117.6365,
135.7489, 95.5493

 5.3822, 7.2822,
2.0897

148.3085,
169.9885, 123.7540

 2.5102, 3.6392,
0.6096

183.8962,
209.5497, 157.0254

 0.9004, 1.4739,
0.0000

224.7649,

 0.0000, 0.2702,

254.8169, 195.7820

0.0000

271.2799,
306.1745, 240.4425

■ 0.0000, 0.0000,
0.0000

■ 36.7982, 44.3186,
25.0272

■ 36.7982, 44.3186,
25.0272

■ 34.6655, 43.3406,
19.5028

■ 39.1971, 45.4113,
31.7049

■ 32.7827, 42.4663,
15.0635

■ 41.8707, 46.6178,
39.5935

■ 31.1366, 41.6918,
11.6382


■ 44.8314, 47.9445,
48.7498


■ 29.7114, 41.0108,
9.1462


■ 48.0896, 49.3957,
59.2265


■ 28.4888, 40.4158,
7.4946


■ 51.6553, 50.9754,
71.0731


 27.4470, 39.8981,
6.5711

 55.5379, 52.6874,
84.3368

 26.8869, 39.6164,
6.2296

 59.7464, 54.5353,
99.0622

 61.7780, 55.5183,
102.0678

 63.3017, 56.3037,
102.1391

Harmonies

Analogous

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



42.2703, 44.3186, 22.4371



36.7982, 44.3186, 25.0272



33.0733, 44.3186, 33.4306

Triad

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



36.7982, 44.3186, 25.0272



36.5665, 44.3186, 82.0696



54.5685, 44.3186, 48.6767

Complementary

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



36.7982, 44.3186, 25.0272



26.5334, 22.9985, 48.9422

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.



52.6902, 44.3186, 66.9198



36.7982, 44.3186, 25.0272



41.9770, 44.3186, 88.7690

Square

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



36.7982, 44.3186, 25.0272



32.9486, 44.3186, 66.0190



47.9393, 44.3186, 82.6696



52.8607, 44.3186, 34.0035

Rectangle

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



36.7982, 44.3186, 25.0272



31.8956, 44.3186, 42.4299



47.9393, 44.3186, 82.6696



54.3330, 44.3186, 54.5912

Sweetspot

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



36.7993, 44.3206, 25.0281



76.9870, 84.3860, 77.0134



32.8782, 30.4332, 22.5543



16.4403, 18.1217, 16.1224



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.



36.7993, 44.3206, 25.0281



62.9518, 78.0194, 37.1060



30.9599, 41.3102, 24.7549



9.4933, 10.3710, 9.6083



18.3811, 27.0121, 4.2451



0.7056, 0.9820, 0.1523

Inverse Universe

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



26.5334, 22.9985, 48.9422



41.7423, 33.9395, 86.5555



32.5890, 26.1202, 49.2256



8.7557, 8.8404, 11.3243



7.0209, 2.9306, 31.4487



0.3105, 0.1358, 1.1116

Previews

White Background



This preview shows how the XYZ color 36.7982, 44.3186, 25.0272 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 36.7982, 44.3186, 25.0272 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

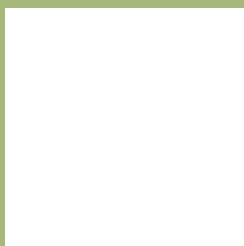
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7982, 44.3186, 25.0272

Background



This preview shows how black text looks on a background with the XYZ color 36.7982, 44.3186, 25.0272.



This preview shows how white text looks on a background with the XYZ color 36.7982, 44.3186,

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

36.7982, 44.3186, 25.0272

Protanopia

40.7901, 43.9827, 23.7924

Deuteranopia

44.9404, 44.0790, 25.5415



Tritanopia

42.7241, 43.9985, 54.9560

Trichromacy



Original Color

36.7982, 44.3186, 25.0272

Protanomaly

39.2399, 44.0659, 24.2067

Deuteranomaly

41.4737, 43.7173, 25.3212

Tritanomaly

40.1452, 43.8410, 41.9436

Monochromacy



Original Color

36.7982, 44.3186, 25.0272

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.1324, 42.3234, 36.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7982, 44.3186, 25.0272 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(167, 185, 122)` looks like.

```
.text, #text, p{  
    color:rgb(167, 185, 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(167, 185, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 185, 122) }
```

Border

The CSS property to change the border of an element to XYZ 36.7982, 44.3186, 25.0272 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(167, 185, 122) }
```


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

```
.border{ border-color:rgb(167, 185, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 185, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 185, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 185, 122);  
box-shadow:4px 4px 4px 4px rgb(167, 185,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7982, 44.3186, 25.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 185, 122) }
```

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

```
.background{ background-color: rgb(167,  
185, 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](#).

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