

Converting Colors

XYZ(37.4250, 48.0402, 36.8481)

Have a look what the booklet for
XYZ(37.4250, 48.0402, 36.8481)
contains.

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Color

**XYZ(37.4400, 47.9499,
36.9877)**

Conversions

Conversions Part 1

Format	Color
Hex	93C498
RGB	147, 196, 152
RGB Percent	58%, 77%, 60%
CMY	0.4235, 0.2314, 0.4039
CMYK	0.25, 0.00, 0.22, 0.23
HSL	126°, 29%, 67%
HSV	126°, 25%, 77%
XYZ	37.4400, 47.9499, 36.9877
YIQ	176.3330, -15.0800, -24.0720

Conversions

Conversions Part 2

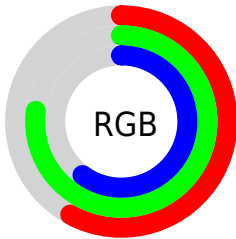
Format	Color
RYB	147, 191, 196
Decimal	9684120
CIELab	74.79, -24.83, 16.99
CIElCh	75, 30.084, 145.613
Yxy	47.9499, 0.3059, 0.3918
Android (android.graphics.Color)	4287874200 (0xFF93C498)
YUV	176.3330, -11.9962, -25.7250
Hunter-Lab	69.2459, -24.6685, 16.8023

Details

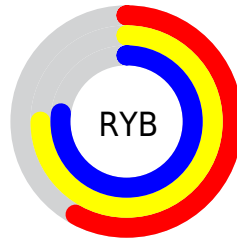
The XYZ color **37.4400, 47.9499, 36.9877** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.6042, 36.3657, 54.0659**, and the grayscale version is **41.5080, 43.6696, 47.5562**.

A 20% lighter version of the original color is **70.6230, 87.2633, 71.5138**, and **16.7413, 22.7185, 15.8147** is the 20% darker color. If you saturate the color by 10%, you get **32.8842, 45.7570, 29.8002**, and if you desaturate by 10%, it is **42.8112, 50.5411, 45.3320**.

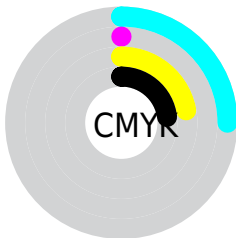
Distribution



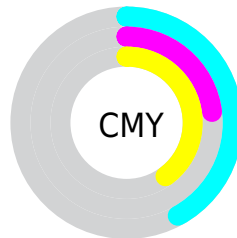
- Red (58%)
- Green (77%)
- Blue (60%)



- Red (58%)
- Yellow (75%)
- Blue (77%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)



- Cyan (42%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4400, 47.9499, 36.9877 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 37.4400, 47.9499, 36.9877 by changing the saturation by 10% instead.

■ 37.4400, 47.9499,
36.9877

■ 37.4400, 47.9499,
36.9877

326.5341,
378.5935, 348.4244

■ 25.7236, 33.7872,
24.9023

■ 70.5584, 87.1298,
71.7400

■ 16.7486, 22.7302,
15.7859

■ 92.6912, 112.9158,
95.2439

■ 10.1496, 14.3944,
9.2201

119.0267,
143.3451, 123.3911

■ 5.5613, 8.3955,
4.7862

149.9304,
178.8019, 156.6000

■ 2.6183, 4.3490,
2.0659

185.7677,
219.6708, 195.2893

■ 0.9553, 1.8707,
0.5953

226.9038,

■ 0.0000, 0.5306,

266.3361, 239.8774

0.0000

273.7042,
319.1822, 290.7829

■ 0.0000, 0.0000,
0.0000

■ 37.4400, 47.9499,
36.9877

■ 37.4400, 47.9499,
36.9877

■ 32.8842, 45.7570,
29.8002

■ 42.8112, 50.5411,
45.3320

■ 29.1001, 43.9371,
23.7154

■ 49.0309, 53.5426,
54.8777

■ 26.0461, 42.4709,
18.6798

■ 56.1351, 56.9735,
65.6708

■ 23.6746, 41.3355,
14.6340

■ 64.1567, 60.8496,
77.7540

■ 21.9329, 40.5049,
11.5129

■ 73.1266, 65.1862,
91.1680

■ 20.7600, 39.9492,
9.2432

■ 79.0309, 67.9618,
103.5603

■ 20.0828, 39.6327,
7.7409

■ 19.8672, 39.5323,
7.2453

Harmonies

Analogous

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



41.1807, 47.9499, 29.4986



37.4400, 47.9499, 36.9877



35.8782, 47.9499, 49.9407

Triad

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



37.4400, 47.9499, 36.9877



44.7758, 47.9499, 88.3398



55.7245, 47.9499, 40.2480

Complementary

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



37.4400, 47.9499, 36.9877



42.6042, 36.3657, 54.0659

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.



56.8781, 47.9499, 54.5455



37.4400, 47.9499, 36.9877



50.2712, 47.9499, 84.3272

Square

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



37.4400, 47.9499, 36.9877



39.8930, 47.9499, 81.1975



54.8103, 47.9499, 71.1211



51.7723, 47.9499, 31.1002

Rectangle

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



37.4400, 47.9499, 36.9877



36.1835, 47.9499, 60.7370



54.8103, 47.9499, 71.1211



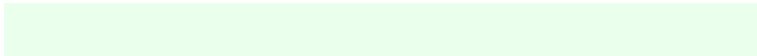
56.4652, 47.9499, 44.5197

Sweetspot

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



37.4413, 47.9519, 36.9888



85.1286, 95.2100, 93.7679



46.5194, 52.6782, 35.3202



17.8469, 20.1983, 19.4966



0.0000, 0.0000, 0.0000



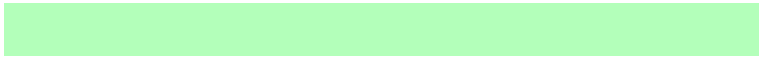
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4413, 47.9519, 36.9888



63.1306, 84.6025, 59.6282



39.6500, 48.8354, 48.6200



9.9853, 11.2752, 10.9258



12.7803, 25.4062, 4.7361



0.5666, 1.1035, 0.2803

Inverse Universe

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



42.6042, 36.3657, 54.0659



74.0784, 60.0275, 95.8341



40.1382, 35.3793, 41.0801



10.4516, 10.2292, 12.4685



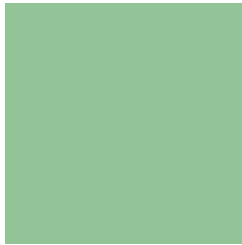
19.6811, 9.5622, 27.2964



0.8634, 0.4184, 1.2480

Previews

White Background



This preview shows how the XYZ color 37.4400, 47.9499, 36.9877 looks on a white background.

Color Contrast Check

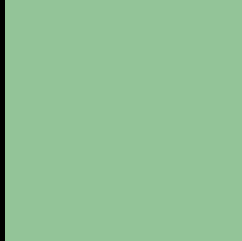
Large Text (above 18pt) WCAG AA × Fail

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 37.4400, 47.9499, 36.9877 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 37.4400, 47.9499, 36.9877

Background



This preview shows how black text looks on a background with the XYZ color 37.4400, 47.9499, 36.9877.



This preview shows how white text looks on a background with the XYZ color 37.4400, 47.9499,

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

37.4400, 47.9499, 36.9877

Protanopia

44.6275, 47.5444, 34.0190

Deuteranopia

48.5869, 47.6935, 38.0974



Tritanopia

42.8070, 47.8227, 64.1013

Trichromacy



Original Color

37.4400, 47.9499, 36.9877

Protanomaly

41.6886, 47.5695, 35.0016

Deuteranomaly

43.7959, 47.3389, 37.8394

Tritanomaly

40.7435, 47.9744, 53.0115

Monochromacy



Original Color

37.4400, 47.9499, 36.9877

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.4256, 44.6563, 43.1008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4400, 47.9499, 36.9877 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(147, 196, 152)` looks like.

```
.text, #text, p{  
    color:rgb(147, 196, 152)  
}
```

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(147, 196, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 196, 152) }
```

Border

The CSS property to change the border of an element to XYZ 37.4400, 47.9499, 36.9877 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(147, 196, 152) }
```


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

```
.border{ border-color:rgb(147, 196, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 196, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 196, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 196, 152);  
box-shadow:4px 4px 4px 4px rgb(147, 196,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4400, 47.9499, 36.9877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 196, 152) }
```

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

```
.background{ background-color: rgb(147,  
196, 152) }
```

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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