

Converting Colors

XYZ(37.1038, 49.7528, 24.7836)

Have a look what the booklet for
XYZ(37.1038, 49.7528, 24.7836)
contains.

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Color

**XYZ(37.1056, 49.7567,
24.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	98C976
RGB	152, 201, 118
RGB Percent	60%, 79%, 46%
CMY	0.4039, 0.2117, 0.5372
CMYK	0.24, 0.00, 0.41, 0.21
HSL	95°, 43%, 63%
HSV	95°, 41%, 79%
XYZ	37.1056, 49.7567, 24.7879
YIQ	176.8870, -2.5610, -36.2010

Conversions

Conversions Part 2

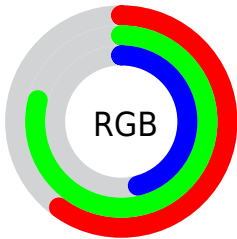
Format	Color
RYB	118, 201, 167
Decimal	10013046
CIELab	75.92, -30.78, 36.36
CIELCh	76, 47.637, 130.244
Yxy	49.7567, 0.3323, 0.4456
Android (android.graphics.Color)	4288203126 (0xFF98C976)
YUV	176.8870, -29.0313, -21.8259
Hunter-Lab	70.5384, -29.5452, 28.5418

Details

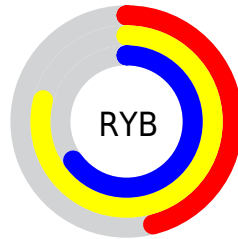
The XYZ color **37.1056, 49.7567, 24.7879** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.9595, 25.3909, 58.4248**, and the grayscale version is **41.8803, 44.0614, 47.9828**.

A 20% lighter version of the original color is **69.1231, 87.8702, 51.8455**, and **16.6227, 23.9374, 9.2131** is the 20% darker color. If you saturate the color by 10%, you get **33.9254, 48.2424, 19.0547**, and if you desaturate by 10%, it is **40.7651, 51.4917, 31.8742**.

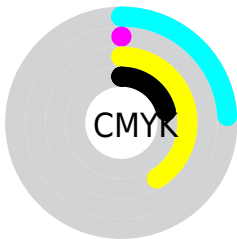
Distribution



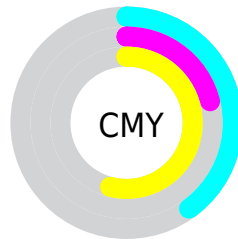
- Red (60%)
- Green (79%)
- Blue (46%)



- Red (46%)
- Yellow (79%)
- Blue (65%)



- Cyan (24%)
- Magenta (0%)
- Yellow (41%)
- Black (21%)





- Cyan (40%)
- Magenta (21%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1056, 49.7567, 24.7879 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 37.1056, 49.7567, 24.7879 by changing the saturation by 10% instead.


 37.1056, 49.7567,
24.7879


 37.1056, 49.7567,
24.7879


325.1151,
385.7137, 290.1938


 25.4633, 35.2201,
15.7015


 70.0479, 89.8143,
52.2728

 16.5531, 23.8325,
9.1611

 92.0787, 116.1041,
71.5083

 10.0097, 15.2094,
4.7482


 118.3030,
147.0804, 94.9641

 5.4677, 8.9665,
2.0441

149.0862,
183.1276, 123.0585

 2.5618, 4.7193,
0.5822

184.7937,
224.6302, 156.2101

 0.9265, 2.0835,
0.0000

225.7907,

 0.0000, 0.6553,

271.9725, 194.8375

0.0000

272.4427,
325.5389, 239.3592

■ 0.0000, 0.0000,
0.0000

■ 37.1056, 49.7567,
24.7879

■ 37.1056, 49.7567,
24.7879

■ 33.9254, 48.2424,
19.0547

■ 40.7651, 51.4917,
31.8742

■ 31.1979, 46.9324,
14.5850

■ 44.9214, 53.4502,
40.3889

■ 28.8994, 45.8182,
11.2839


■ 49.5952, 55.6428,
50.4057


■ 27.0020, 44.8877,
9.0412


■ 54.8053, 58.0776,
61.9924


■ 25.4732, 44.1271,
7.7259


■ 60.5692, 60.7624,
75.2124

 24.3964, 43.5841,
7.1268

 66.9035, 63.7043,
90.1257

 73.2220, 66.6695,
103.6170

 77.2735, 68.7582,
103.8066

 80.1777, 70.2553,
103.9426

Harmonies

Analogous

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



44.3229, 49.7567, 18.9197



37.1056, 49.7567, 24.7879



32.9860, 49.7567, 39.2844

Triad

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



37.1056, 49.7567, 24.7879



41.7575, 49.7567, 114.3885



66.1431, 49.7567, 45.9443

Complementary

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



37.1056, 49.7567, 24.7879



32.9595, 25.3909, 58.4248

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.



65.2318, 49.7567, 72.4242



37.1056, 49.7567, 24.7879



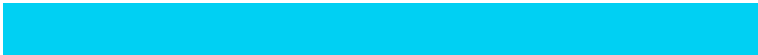
50.3913, 49.7567, 117.8740

Square

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



37.1056, 49.7567, 24.7879



35.4301, 49.7567, 92.2644



59.1910, 49.7567, 100.6765



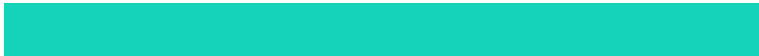
61.5443, 49.7567, 28.3470

Rectangle

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



37.1056, 49.7567, 24.7879



32.2028, 49.7567, 54.3852



59.1910, 49.7567, 100.6765



66.4836, 49.7567, 53.9685

Sweetspot

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



37.1068, 49.7589, 24.7890



84.1719, 94.9167, 84.6902



41.0715, 41.1517, 22.9187



17.7805, 20.2056, 17.6151



0.0000, 0.0000, 0.0000



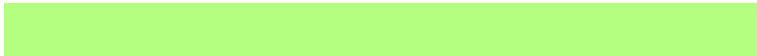
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1068, 49.7589, 24.7890



58.3819, 82.7357, 33.1425



32.0557, 47.1057, 26.7778



10.9020, 12.0964, 11.3230



15.4371, 27.4534, 4.4854



0.8128, 1.3421, 0.2162

Inverse Universe

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



32.9595, 25.3909, 58.4248



50.2715, 35.1932, 98.7511



40.3147, 29.2745, 54.6162



10.6468, 10.5917, 13.4007



11.4898, 5.1575, 35.1343



0.6248, 0.2858, 1.6674

Previews

White Background



This preview shows how the XYZ color 37.1056, 49.7567, 24.7879 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 37.1056, 49.7567, 24.7879 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 37.1056, 49.7567, 24.7879

Background



This preview shows how black text looks on a background with the XYZ color 37.1056, 49.7567, 24.7879.



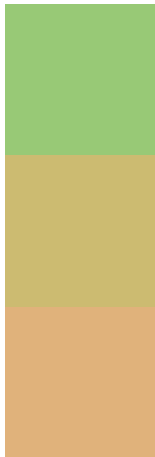
This preview shows how white text looks on a background with the XYZ color 37.1056, 49.7567,

24.7879.

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

37.1056, 49.7567, 24.7879

Protanopia

45.6528, 49.5703, 22.7846

Deuteranopia

50.2360, 49.1181, 25.5719



Tritanopia

45.2884, 49.7172, 65.6019

Trichromacy



Original Color

37.1056, 49.7567, 24.7879

Protanomaly

41.9517, 49.2514, 23.5150

Deuteranomaly

44.2988, 48.5041, 25.1166

Tritanomaly

41.6523, 49.5598, 47.4151

Monochromacy



Original Color

37.1056, 49.7567, 24.7879

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.7081, 45.8429, 38.2082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1056, 49.7567, 24.7879 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(152, 201, 118)` looks like.

```
.text, #text, p{  
    color:rgb(152, 201, 118)  
}
```

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(152, 201, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 201, 118) }
```

Border

The CSS property to change the border of an element to XYZ 37.1056, 49.7567, 24.7879 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(152, 201, 118) }
```


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

```
.border{ border-color:rgb(152, 201, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 201, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 201, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 201, 118);  
box-shadow:4px 4px 4px 4px rgb(152, 201,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1056, 49.7567, 24.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 201, 118) }
```

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

```
.background{ background-color: rgb(152,  
201, 118) }
```

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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