

Converting Colors

XYZ(37.4456, 48.8708, 27.7515)

Have a look what the booklet for
XYZ(37.4456, 48.8708, 27.7515)
contains.

XYZ(37.4168, 48.8167, 27.8726)	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(37.4168, 48.8167,
27.8726)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC680
RGB	154, 198, 128
RGB Percent	60%, 78%, 50%
CMY	0.3961, 0.2235, 0.4980
CMYK	0.22, 0.00, 0.35, 0.22
HSL	98°, 38%, 64%
HSV	98°, 35%, 78%
XYZ	37.4168, 48.8167, 27.8726
YIQ	176.8640, -3.7540, -31.0980

Conversions

Conversions Part 2

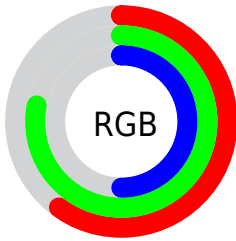
Format	Color
RYB	128, 198, 172
Decimal	10143360
CIELab	75.34, -27.25, 30.49
CIELCh	75, 40.889, 131.786
Yxy	48.8167, 0.3279, 0.4278
Android (android.graphics.Color)	4288333440 (0xFF9AC680)
YUV	176.8640, -24.0900, -20.0517
Hunter-Lab	69.8689, -26.6789, 25.2559

Details

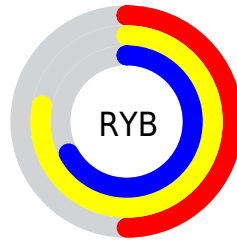
The XYZ color **37.4168, 48.8167, 27.8726** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9276, 28.2877, 57.0479**, and the grayscale version is **41.8435, 44.0226, 47.9406**.

A 20% lighter version of the original color is **70.3950, 88.4115, 57.0710**, and **16.7152, 23.2633, 10.8170** is the 20% darker color. If you saturate the color by 10%, you get **33.9915, 47.1886, 21.5605**, and if you desaturate by 10%, it is **41.3446, 50.6774, 35.5378**.

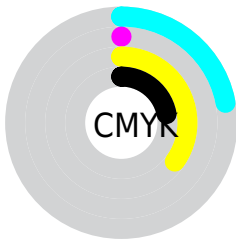
Distribution



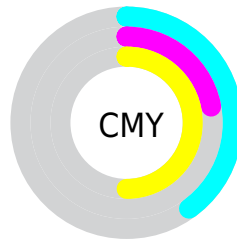
- Red (60%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (67%)



- Cyan (22%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)



- Cyan (40%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4168, 48.8167, 27.8726 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 37.4168, 48.8167, 27.8726 by changing the saturation by 10% instead.

■ 37.4168, 48.8167,
27.8726

■ 37.4168, 48.8167,
27.8726

326.4358,
382.0203, 305.7504

■ 25.7055, 34.4741,
17.9914

■ 70.5230, 88.4192,
57.3016

■ 16.7350, 23.2581,
10.7745

■ 92.6487, 114.4478,
77.6866

■ 10.1399, 14.7842,
5.8031

■ 118.9766,
145.1406, 102.4099

■ 5.5548, 8.6680,
2.6589

149.8719,
180.8819, 131.8900

■ 2.6144, 4.5253,
0.9226

185.7002,
222.0561, 166.5456

■ 0.9533, 1.9715,
0.0000

226.8267,

■ 0.0000, 0.5909,

269.0476, 206.7952

0.0000

273.6168,
322.2409, 253.0573

■ 0.0000, 0.0000,
0.0000

■ 37.4168, 48.8167,
27.8726

■ 37.4168, 48.8167,
27.8726

■ 33.9915, 47.1886,
21.5605

■ 41.3446, 50.6774,
35.5378

■ 31.0428, 45.7769,
16.5196

■ 45.7919, 52.7736,
44.6250

■ 28.5475, 44.5733,
12.6644

■ 50.7796, 55.1159,
55.2026


■ 26.4790, 43.5661,
9.8972


■ 56.3261, 57.7125,
67.3332

■ 24.8073, 42.7422,
8.1050


■ 62.4489, 60.5710,
81.0762


 23.4967, 42.0864,
7.1493

 69.1647, 63.6990,
96.4876

 22.9836, 41.8277,
6.8622

 74.5642, 66.3333,
103.4814

 78.9624, 68.6007,
103.6872

 79.4851, 68.8702,
103.7117

Harmonies

Analogous

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



43.5080, 48.8167, 22.0518



37.4168, 48.8167, 27.8726



33.9766, 48.8167, 41.2339

Triad

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



37.4168, 48.8167, 27.8726



42.0253, 48.8167, 102.9791



62.0383, 48.8167, 45.1366

Complementary

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



37.4168, 48.8167, 27.8726



34.9276, 28.2877, 57.0479

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.



61.5306, 48.8167, 67.1727



37.4168, 48.8167, 27.8726



49.4149, 48.8167, 104.8576

Square

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



37.4168, 48.8167, 27.8726



36.4326, 48.8167, 85.7909



56.7142, 48.8167, 90.3871



58.0346, 48.8167, 30.0621

Rectangle

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



37.4168, 48.8167, 27.8726



33.3972, 48.8167, 54.4542



56.7142, 48.8167, 90.3871



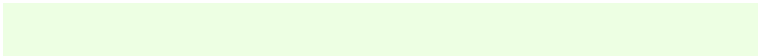
62.4004, 48.8167, 51.8729

Sweetspot

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



37.4180, 48.8188, 27.8737



84.6661, 95.1312, 86.5366



41.7814, 42.7551, 26.4733



17.8662, 20.2418, 17.9827



0.0000, 0.0000, 0.0000



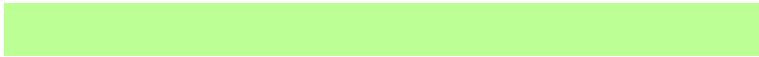
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4180, 48.8188, 27.8737



61.7567, 84.3052, 40.9931



33.5535, 46.7619, 30.6131



10.8634, 12.0765, 11.3212



15.0334, 27.2453, 4.4665



0.7917, 1.3312, 0.2152

Inverse Universe

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



34.9276, 28.2877, 57.0479



56.7143, 42.8494, 99.8893



40.2858, 31.1559, 52.5125



10.6865, 10.6122, 13.4026



12.1752, 5.5108, 35.1663



0.6546, 0.3012, 1.6688

Previews

White Background



This preview shows how the XYZ color 37.4168, 48.8167, 27.8726 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 37.4168, 48.8167, 27.8726 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 37.4168, 48.8167, 27.8726

Background



This preview shows how black text looks on a background with the XYZ color 37.4168, 48.8167, 27.8726.



This preview shows how white text looks on a background with the XYZ color 37.4168, 48.8167,

27.8726.

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

37.4168, 48.8167, 27.8726

Protanopia

45.0115, 48.5455, 25.7367

Deuteranopia

49.4710, 48.3534, 28.9160



Tritanopia

44.8226, 48.8618, 64.1956

Trichromacy



Original Color

37.4168, 48.8167, 27.8726

Protanomaly

41.8823, 48.4979, 26.5556

Deuteranomaly

44.2106, 48.0724, 28.4215

Tritanomaly

41.5864, 48.5152, 48.2468

Monochromacy



Original Color

37.4168, 48.8167, 27.8726

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.9692, 45.6361, 39.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4168, 48.8167, 27.8726 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(154, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(154, 198, 128)  
}
```

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(154, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 198, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.4168, 48.8167, 27.8726 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(154, 198, 128) }
```


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

```
.border{ border-color:rgb(154, 198, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 198, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(154, 198,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4168, 48.8167, 27.8726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 198, 128) }
```

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

```
.background{ background-color: rgb(154,  
198, 128) }
```

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