

Converting Colors

XYZ(37.3933, 48.3603, 31.2950)

Have a look what the booklet for
XYZ(37.3933, 48.3603, 31.2950)
contains.

XYZ(37.5026, 48.4429, 31.4186)	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(37.5026, 48.4429,
31.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	98C58A
RGB	152, 197, 138
RGB Percent	60%, 77%, 54%
CMY	0.4039, 0.2274, 0.4588
CMYK	0.23, 0.00, 0.30, 0.23
HSL	106°, 34%, 66%
HSV	106°, 30%, 77%
XYZ	37.5026, 48.4429, 31.4186
YIQ	176.8190, -7.8810, -27.8890

Conversions

Conversions Part 2

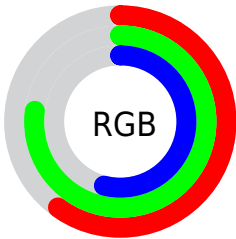
Format	Color
RYB	138, 197, 183
Decimal	10012042
CIELab	75.10, -25.96, 24.91
CIELCh	75, 35.980, 136.178
Yxy	48.4429, 0.3195, 0.4128
Android (android.graphics.Color)	4288202122 (0xFF98C58A)
YUV	176.8190, -19.1378, -21.7663
Hunter-Lab	69.6009, -25.6217, 21.9565

Details

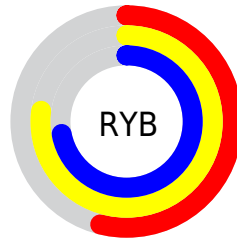
The XYZ color **37.5026, 48.4429, 31.4186** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.6971, 32.2769, 57.0164**, and the grayscale version is **41.7962, 43.9729, 47.8865**.

A 20% lighter version of the original color is **70.6884, 87.9548, 63.1205**, and **16.7983, 23.0424, 12.5791** is the 20% darker color. If you saturate the color by 10%, you get **33.5675, 46.5659, 24.4526**, and if you desaturate by 10%, it is **42.0553, 50.6113, 39.7660**.

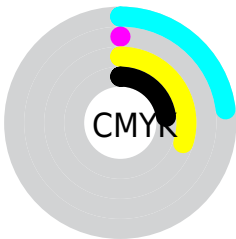
Distribution



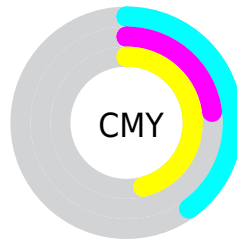
- Red (60%)
- Green (77%)
- Blue (54%)



- Red (54%)
- Yellow (77%)
- Blue (72%)



- Cyan (23%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)




- Cyan (40%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5026, 48.4429, 31.4186 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 37.5026, 48.4429, 31.4186 by changing the saturation by 10% instead.


 37.5026, 48.4429,
31.4186


 37.5026, 48.4429,
31.4186


326.7993,
380.5450, 322.8729


 25.7723, 34.1778,
20.6567


 70.6539, 87.8635,
62.9858

 16.7852, 23.0302,
12.6845


 92.8057, 113.7877,
84.6282

 10.1758, 14.6158,
7.0835


 119.1620,
144.3671, 110.7344

 5.5788, 8.5502,
3.4351

150.0883,
179.9860, 141.7231

 2.6289, 4.4490,
1.3209

185.9497,
221.0288, 178.0127

 0.9607, 1.9277,
0.0788

227.1118,

 0.0000, 0.5650,

267.8800, 220.0219

0.0000

273.9399,
320.9240, 268.1691

■ 0.0000, 0.0000,
0.0000

■ 37.5026, 48.4429,
31.4186

■ 37.5026, 48.4429,
31.4186

■ 33.5675, 46.5659,
24.4526

■ 42.0553, 50.6113,
39.7660

■ 30.2190, 44.9615,
18.7904

■ 47.2473, 53.0765,
49.5604

■ 27.4289, 43.6185,
14.3518

■ 53.1040, 55.8515,
60.8669

■ 25.1650, 42.5222,
11.0462

■ 59.6481, 58.9469,
73.7459

■ 23.3918, 41.6566,
8.7708

■ 66.9013, 62.3724,
88.2545

■ 22.0685, 41.0033,
7.4038

■ 74.6898, 66.0599,
103.4220

■ 21.1316, 40.5347,
6.7131

■ 79.2572, 68.4145,
103.6357

■ 21.1276, 40.5327,
6.7101

Harmonies

Analogous

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



42.6066, 48.4429, 25.0317



37.5026, 48.4429, 31.4186



34.8149, 48.4429, 44.5517

Triad

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



37.5026, 48.4429, 31.4186



43.0855, 48.4429, 96.3516



59.2994, 48.4429, 43.2781

Complementary

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



37.5026, 48.4429, 31.4186



38.6971, 32.2769, 57.0164

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.



59.4590, 48.4429, 61.8883



37.5026, 48.4429, 31.4186



49.6605, 48.4429, 95.7766

Square

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



37.5026, 48.4429, 31.4186



37.8243, 48.4429, 83.4573



55.7917, 48.4429, 82.0349



55.3746, 48.4429, 30.6787

Rectangle

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



37.5026, 48.4429, 31.4186



34.5723, 48.4429, 56.7435



55.7917, 48.4429, 82.0349



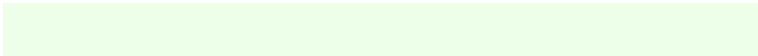
59.8071, 48.4429, 48.9409

Sweetspot

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



37.5039, 48.4450, 31.4197



85.4232, 95.4389, 90.3004



44.3946, 47.2659, 30.8289



17.9712, 20.2794, 18.7305



0.0000, 0.0000, 0.0000



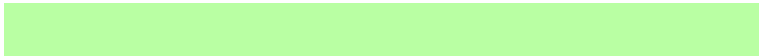
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5039, 48.4450, 31.4197



62.3916, 84.4833, 47.7629



36.1781, 47.6297, 37.3166



10.7292, 12.0073, 11.3149



13.9589, 26.6914, 4.4162



0.7279, 1.2983, 0.2122

Inverse Universe

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



38.6971, 32.2769, 57.0164



64.8588, 50.8461, 101.0036



40.5856, 33.4363, 48.7083



10.8277, 10.6849, 13.4092



15.0105, 6.9724, 35.2990



0.7720, 0.3617, 1.6743

Previews

White Background



This preview shows how the XYZ color 37.5026, 48.4429, 31.4186 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 37.5026, 48.4429, 31.4186 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 37.5026, 48.4429, 31.4186

Background



This preview shows how black text looks on a background with the XYZ color 37.5026, 48.4429, 31.4186.



This preview shows how white text looks on a background with the XYZ color 37.5026, 48.4429,

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

37.5026, 48.4429, 31.4186

Protanopia

44.5941, 47.9527, 28.7352

Deuteranopia

48.9235, 47.9962, 32.2768



Tritanopia

44.2009, 48.5414, 64.1665

Trichromacy



Original Color

37.5026, 48.4429, 31.4186

Protanomaly

41.5567, 47.9402, 29.6174

Deuteranomaly

43.9405, 47.5415, 32.0598

Tritanomaly

41.3859, 48.3655, 50.3342

Monochromacy



Original Color

37.5026, 48.4429, 31.4186

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.8998, 45.2502, 41.2815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5026, 48.4429, 31.4186 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, 197, 138)` looks like.

```
.text, #text, p{  
    color:rgb(152, 197, 138)  
}
```

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, 197, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 197, 138) }
```

Border

The CSS property to change the border of an element to XYZ 37.5026, 48.4429, 31.4186 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, 197, 138) }
```


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

```
.border{ border-color:rgb(152, 197, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 197, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 197, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 197, 138);  
box-shadow:4px 4px 4px 4px rgb(152, 197,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5026, 48.4429, 31.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 197, 138) }
```

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

```
.background{ background-color: rgb(152,  
197, 138) }
```

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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