

Converting Colors

XYZ(38.6168, 48.0847, 36.5718)

Have a look what the booklet for
XYZ(38.6168, 48.0847, 36.5718)
contains.

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Color

**XYZ(38.6186, 48.2331,
36.5527)**

Conversions

Conversions Part 1

Format	Color
Hex	9BC397
RGB	155, 195, 151
RGB Percent	61%, 76%, 59%
CMY	0.3922, 0.2353, 0.4078
CMYK	0.21, 0.00, 0.23, 0.24
HSL	115°, 27%, 68%
HSV	115°, 23%, 76%
XYZ	38.6186, 48.2331, 36.5527
YIQ	178.0240, -9.7160, -22.1640

Conversions

Conversions Part 2

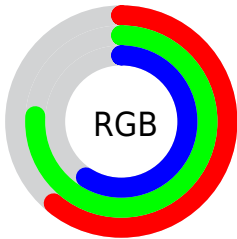
Format	Color
RYB	151, 195, 191
Decimal	10208151
CIELab	74.97, -21.79, 17.85
CIElCh	75, 28.165, 140.679
Yxy	48.2331, 0.3129, 0.3909
Android (android.graphics.Color)	4288398231 (0xFF9BC397)
YUV	178.0240, -13.3228, -20.1920
Hunter-Lab	69.4501, -22.2804, 17.4097

Details

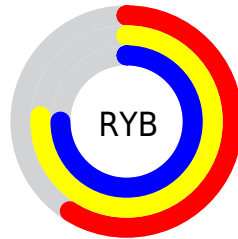
The XYZ color **38.6186, 48.2331, 36.5527** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.4048, 37.1511, 56.5681**, and the grayscale version is **42.4026, 44.6109, 48.5812**.

A 20% lighter version of the original color is **72.4082, 87.7302, 70.8749**, and **17.4186, 22.8534, 15.5497** is the 20% darker color. If you saturate the color by 10%, you get **34.0082, 46.0259, 28.7428**, and if you desaturate by 10%, it is **43.9931, 50.8068, 45.7678**.

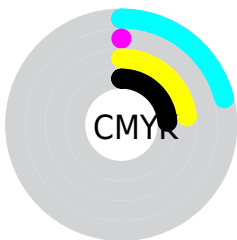
Distribution



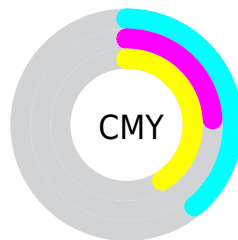
- Red (61%)
- Green (76%)
- Blue (59%)



- Red (59%)
- Yellow (76%)
- Blue (75%)



- Cyan (21%)
- Magenta (0%)
- Yellow (23%)
- Black (24%)



- Cyan (39%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6186, 48.2331, 36.5527 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 38.6186, 48.2331, 36.5527 by changing the saturation by 10% instead.

■ 38.6186, 48.2331,
36.5527

■ 38.6186, 48.2331,
36.5527

331.5014,
379.7153, 346.4801

■ 26.6425, 34.0115,
24.5683

■ 72.3531, 87.5514,
71.0629

■ 17.4401, 22.9024,
15.5396

■ 94.8423, 113.4168,
94.4258

■ 10.6460, 14.5215,
9.0482

121.5665,
143.9324, 122.4186

■ 5.8949, 8.4843,
4.6754

152.8912,
179.4824, 155.4598

■ 2.8213, 4.4063,
2.0027

189.1817,
220.4514, 193.9681

■ 1.0600, 1.9034,
0.5569

230.8033,

■ 0.0000, 0.5504,

267.2236, 238.3618

0.0000

278.1214,
320.1834, 289.0596

■ 0.0000, 0.0000,
0.0000

■ 38.6186, 48.2331,
36.5527

■ 38.6186, 48.2331,
36.5527

■ 34.0082, 46.0259,
28.7428

■ 43.9931, 50.8068,
45.7678

■ 30.1235, 44.1625,
22.2661

■ 50.1602, 53.7560,
56.4489

■ 26.9285, 42.6276,
17.0490

■ 57.1516, 57.0972,
68.6573

■ 24.3828, 41.4020,
13.0096

■ 64.9962, 60.8441,
82.4497

■ 22.4414, 40.4646,
10.0564

■ 73.7215, 65.0097,
97.8799

■ 21.0537, 39.7914,
8.0842

■ 78.8060, 67.5121,
103.4853

■ 20.1609, 39.3550,
6.9671

■ 19.7603, 39.1580,
6.5168

Harmonies

Analogous

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



42.4433, 48.2331, 30.2463



38.6186, 48.2331, 36.5527



36.7704, 48.2331, 48.0675

Triad

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



38.6186, 48.2331, 36.5527



44.2627, 48.2331, 85.6755



55.7214, 48.2331, 43.1469

Complementary

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



38.6186, 48.2331, 36.5527



42.4048, 37.1511, 56.5681

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.



56.2997, 48.2331, 57.2344



38.6186, 48.2331, 36.5527



49.4219, 48.2331, 83.6827

Square

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



38.6186, 48.2331, 36.5527



39.8649, 48.2331, 77.5860



53.9190, 48.2331, 72.5624



52.3931, 48.2331, 33.5304

Rectangle

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



38.6186, 48.2331, 36.5527



36.8056, 48.2331, 57.9369



53.9190, 48.2331, 72.5624



56.2531, 48.2331, 47.4473

Sweetspot

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



38.6199, 48.2352, 36.5538



84.6352, 93.7879, 92.0717



46.6373, 50.9261, 36.6506



18.3848, 20.4671, 19.9038



0.0000, 0.0000, 0.0000



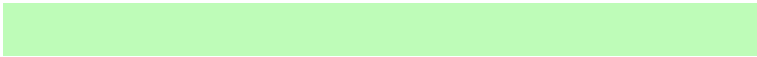
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6199, 48.2352, 36.5538



64.9901, 84.3861, 58.3689



39.4030, 48.4612, 44.6181



10.0274, 11.3016, 10.7148



12.8744, 25.4658, 4.2368



0.5857, 1.1155, 0.1844

Inverse Universe

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



42.4048, 37.1511, 56.5681



72.9381, 61.0968, 100.4184



41.5497, 36.9269, 46.7437



10.4041, 10.1995, 12.7052



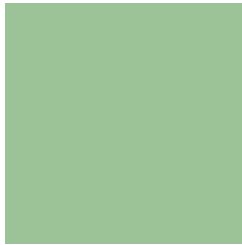
18.2649, 8.6763, 34.2686



0.8160, 0.3887, 1.4819

Previews

White Background



This preview shows how the XYZ color 38.6186, 48.2331, 36.5527 looks on a white background.

Color Contrast Check

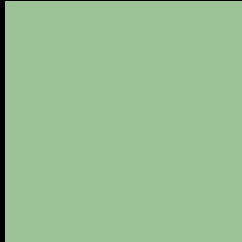
Large Text (above 18pt) WCAG AA × Fail

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 38.6186, 48.2331, 36.5527 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 38.6186, 48.2331, 36.5527

Background



This preview shows how black text looks on a background with the XYZ color 38.6186, 48.2331, 36.5527.



This preview shows how white text looks on a background with the XYZ color 38.6186, 48.2331,

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

38.6186, 48.2331, 36.5527

Protanopia

45.0937, 48.0921, 34.1001

Deuteranopia

48.7899, 47.8079, 37.6667



Tritanopia

44.0726, 48.1707, 63.4749

Trichromacy



Original Color

38.6186, 48.2331, 36.5527

Protanomaly

42.3846, 47.9283, 35.0342

Deuteranomaly

44.4591, 47.6904, 37.4338

Tritanomaly

41.9805, 48.2994, 52.4575

Monochromacy



Original Color

38.6186, 48.2331, 36.5527

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.7859, 45.6542, 43.7083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6186, 48.2331, 36.5527 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(155, 195, 151)` looks like.

```
.text, #text, p{  
    color:rgb(155, 195, 151)  
}
```

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(155, 195, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 195, 151) }
```

Border

The CSS property to change the border of an element to XYZ 38.6186, 48.2331, 36.5527 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(155, 195, 151) }
```


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

```
.border{ border-color:rgb(155, 195, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 195, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 195, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 195, 151); box-shadow:4px 4px 4px 4px rgb(155, 195, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6186, 48.2331, 36.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 195, 151) }
```

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

```
.background{ background-color: rgb(155,  
195, 151) }
```

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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