

Converting Colors

XYZ(36.9031, 48.8700, 38.6705)

Have a look what the booklet for
XYZ(36.9031, 48.8700, 38.6705)
contains.

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Color

**XYZ(36.8872, 48.9935,
38.5229)**

Conversions

Conversions Part 1

Format	Color
Hex	89C89B
RGB	137, 200, 155
RGB Percent	54%, 78%, 61%
CMY	0.4627, 0.2157, 0.3921
CMYK	0.32, 0.00, 0.23, 0.22
HSL	137°, 36%, 66%
HSV	137°, 32%, 78%
XYZ	36.8872, 48.9935, 38.5229
YIQ	176.0330, -23.1030, -27.3510

Conversions

Conversions Part 2

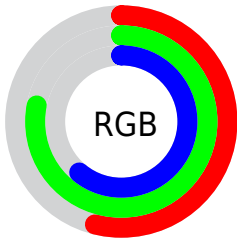
Format	Color
RYB	137, 186, 200
Decimal	9029787
CIELab	75.45, -29.46, 16.21
CIELCh	75, 33.625, 151.172
Yxy	48.9935, 0.2965, 0.3938
Android (android.graphics.Color)	4287219867 (0xFF89C89B)
YUV	176.0330, -10.3693, -34.2319
Hunter-Lab	69.9954, -28.4233, 16.3657

Details

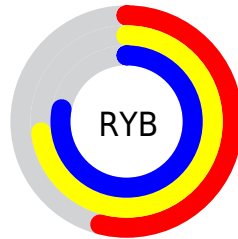
The XYZ color **36.8872, 48.9935, 38.5229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2102, 33.5492, 48.5615**, and the grayscale version is **41.3461, 43.4993, 47.3707**.

A 20% lighter version of the original color is **69.1311, 87.3796, 74.1951**, and **16.5239, 23.4885, 16.7595** is the 20% darker color. If you saturate the color by 10%, you get **32.7780, 47.0071, 32.4342**, and if you desaturate by 10%, it is **41.7487, 51.3541, 45.3899**.

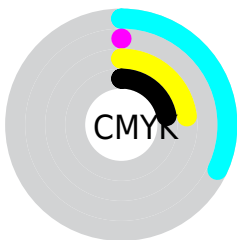
Distribution



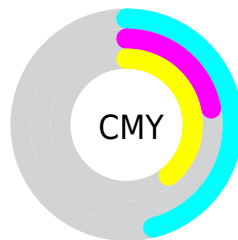
- Red (54%)
- Green (78%)
- Blue (61%)



- Red (54%)
- Yellow (73%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8872, 48.9935, 38.5229 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 36.8872, 48.9935, 38.5229 by changing the saturation by 10% instead.

 36.8872, 48.9935,
38.5229


 36.8872, 48.9935,
38.5229


324.1859,
382.7167, 355.2230


 25.2934, 34.6143,
26.0838


 69.7142, 88.6818,
74.1212

 16.4257, 23.3659,
16.6600


 91.6782, 114.7597,
98.1175

 9.9186, 14.8639,
9.8330


 117.8296,
145.5060, 126.8032

 5.4069, 8.7240,
5.1842

148.5338,
181.3050, 160.5970

 2.5251, 4.5616,
2.2951

184.1562,
222.5412, 199.9173

 0.9079, 1.9924,
0.7285

225.0621,

 0.0000, 0.6030,

269.5990, 245.1827

0.0000

271.6169,
322.8627, 296.8118

■ 0.0000, 0.0000,
0.0000

■ 36.8872, 48.9935,
38.5229

■ 36.8872, 48.9935,
38.5229

■ 32.7780, 47.0071,
32.4342

■ 41.7487, 51.3541,
45.3899

■ 29.3787, 45.3693,
27.0931

■ 47.3943, 54.1007,
53.0581

■ 26.6484, 44.0613,
22.4713

■ 53.8587, 57.2519,
61.5536

■ 24.5404, 43.0594,
18.5379

■ 61.1735, 60.8235,
70.9000

■ 23.0016, 42.3371,
15.2593

■ 69.3683, 64.8303,
81.1203

■ 21.9694, 41.8628,
12.5992

■ 77.7304, 68.9045,
92.2018

■ 21.3973, 41.6073,
10.7929

■ 79.9452, 69.7905,
103.8651

Harmonies

Analogous

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



40.6667, 48.9935, 29.1476



36.8872, 48.9935, 38.5229



35.6393, 48.9935, 54.0468

Triad

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



36.8872, 48.9935, 38.5229



46.8111, 48.9935, 95.2619



57.5259, 48.9935, 37.5577

Complementary

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



36.8872, 48.9935, 38.5229



41.2102, 33.5492, 48.5615

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.



59.5268, 48.9935, 52.6504



36.8872, 48.9935, 38.5229



53.0118, 48.9935, 88.2010

Square

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



36.8872, 48.9935, 38.5229



41.0537, 48.9935, 89.1808



57.8070, 48.9935, 71.5529



52.5528, 48.9935, 28.6835

Rectangle

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



36.8872, 48.9935, 38.5229



36.3145, 48.9935, 66.6464



57.8070, 48.9935, 71.5529



58.5872, 48.9935, 41.9438

Sweetspot

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



36.8885, 48.9955, 38.5240



84.5769, 94.8930, 95.2158



44.4983, 53.0804, 31.5676



17.7648, 20.1462, 19.9309



0.0000, 0.0000, 0.0000



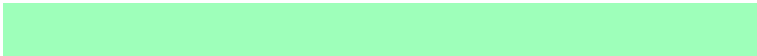
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8885, 48.9955, 38.5240



58.7203, 82.3353, 59.1322



39.8725, 50.1892, 54.2376



10.6200, 11.9369, 11.9491



13.6383, 26.4677, 7.0401



0.6777, 1.2660, 0.5015

Inverse Universe

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



41.2102, 33.5492, 48.5615



67.3925, 51.3113, 79.2531



38.3240, 32.3947, 33.3630



10.9489, 10.7629, 12.7142



18.3310, 9.0820, 17.4849



0.8980, 0.4421, 0.9862

Previews

White Background



This preview shows how the XYZ color 36.8872, 48.9935, 38.5229 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 36.8872, 48.9935, 38.5229 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 36.8872, 48.9935, 38.5229

Background



This preview shows how black text looks on a background with the XYZ color 36.8872, 48.9935, 38.5229.



This preview shows how white text looks on a background with the XYZ color 36.8872, 48.9935,

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

36.8872, 48.9935, 38.5229

Protanopia

45.7202, 48.7064, 35.0085

Deuteranopia

49.4169, 48.3759, 39.9906



Tritanopia

42.6679, 48.9899, 66.8817

Trichromacy



Original Color

36.8872, 48.9935, 38.5229

Protanomaly

41.6786, 48.1752, 36.3802

Deuteranomaly

43.7380, 47.9007, 39.2883

Tritanomaly

40.4268, 49.0833, 55.4874

Monochromacy



Original Color

36.8872, 48.9935, 38.5229

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.3171, 45.2065, 43.6993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8872, 48.9935, 38.5229 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(137, 200, 155)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 155)  
}
```

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(137, 200, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 155) }
```

Border

The CSS property to change the border of an element to XYZ 36.8872, 48.9935, 38.5229 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(137, 200, 155) }
```


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

```
.border{ border-color:rgb(137, 200, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 200, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 155);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8872, 48.9935, 38.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 155) }
```

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

```
.background{ background-color: rgb(137,  
200, 155) }
```

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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