

Converting Colors

XYZ(30.8860, 37.9286, 28.0461)

Have a look what the booklet for
XYZ(30.8860, 37.9286, 28.0461)
contains.

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Color

**XYZ(30.8713, 37.8949,
27.8776)**

Conversions

Conversions Part 1

Format	Color
Hex	90AE85
RGB	144, 174, 133
RGB Percent	56%, 68%, 52%
CMY	0.4353, 0.3176, 0.4784
CMYK	0.17, 0.00, 0.24, 0.32
HSL	104°, 20%, 60%
HSV	104°, 24%, 68%
XYZ	30.8713, 37.8949, 27.8776
YIQ	160.3560, -4.7190, -19.1110

Conversions

Conversions Part 2

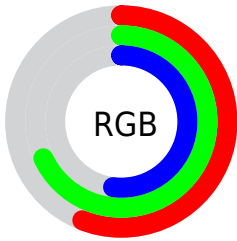
Format	Color
RYB	133, 174, 163
Decimal	9481861
CIELab	67.94, -18.13, 17.73
CIELCh	68, 25.358, 135.631
Yxy	37.8949, 0.3194, 0.3921
Android (android.graphics.Color)	4287671941 (0xFF90AE85)
YUV	160.3560, -13.4865, -14.3442
Hunter-Lab	61.5588, -18.2115, 16.2411

Details

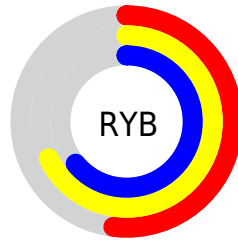
The XYZ color **30.8713, 37.8949, 27.8776** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1333, 27.6186, 43.7365**, and the grayscale version is **33.6407, 35.3926, 38.5426**.

A 20% lighter version of the original color is **60.4484, 72.1446, 57.1937**, and **12.9129, 16.6264, 10.7123** is the 20% darker color. If you saturate the color by 10%, you get **27.6677, 36.3721, 21.9638**, and if you desaturate by 10%, it is **34.5269, 39.6300, 34.8537**.

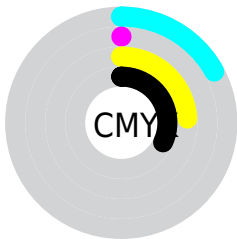
Distribution



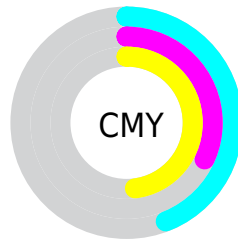
- Red (56%)
- Green (68%)
- Blue (52%)



- Red (52%)
- Yellow (68%)
- Blue (64%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (32%)



- Cyan (44%)
- Magenta (32%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8713, 37.8949, 27.8776 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 30.8713, 37.8949, 27.8776 by changing the saturation by 10% instead.

■ 30.8713, 37.8949,
27.8776

■ 30.8713, 37.8949,
27.8776

297.7824,
337.1689, 305.7751

■ 20.6522, 25.9011,
17.9952

■ 60.4146, 71.9470,
57.3097

■ 12.9810, 16.7497,
10.7771

■ 80.4695, 94.7742,
77.6965

■ 7.4924, 10.0562,
5.8049

■ 104.5338,
121.9812, 102.4218

■ 3.8209, 5.4362,
2.6599

132.9727,
153.9526, 131.9041

■ 1.6013, 2.5054,
0.9232

166.1517,
191.0726, 166.5621

■ 0.3933, 0.8793,
0.0000

204.4361,

■ 0.0000, 0.0000,

233.7258, 206.8142

0.0000

248.1912,
282.2964, 253.0790

■ 30.8713, 37.8949,
27.8776

■ 30.8713, 37.8949,
27.8776

■ 27.6677, 36.3721,
21.9638

■ 34.5269, 39.6300,
34.8537

■ 24.8951, 35.0485,
17.0579

■ 38.6486, 41.5801,
42.9380

■ 22.5350, 33.9169,
13.1042

■ 43.2535, 43.7543,
52.1769

■ 20.5666, 32.9679,
10.0409

■ 48.3570, 46.1595,
62.6132

■ 18.9668, 32.1911,
7.7986

■ 53.9735, 48.8024,
74.2876

■ 17.7101, 31.5752,
6.2978

■ 60.1173, 51.6893,
87.2390

■ 16.7670, 31.1069,
5.4432

■ 66.8017, 54.8264,
101.5043

■ 16.2943, 30.8704,
5.0998

■ 71.1443, 57.0615,
101.8720

■ 74.4268, 58.7537,
102.0256

Harmonies

Analogous

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



34.0159, 37.8949, 23.7013



30.8713, 37.8949, 27.8776



29.1689, 37.8949, 36.1096

Triad

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



30.8713, 37.8949, 27.8776



34.1712, 37.8949, 66.0378



43.8139, 37.8949, 35.6891

Complementary

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



30.8713, 37.8949, 27.8776



31.1333, 27.6186, 43.7365

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.



43.8631, 37.8949, 46.8807



30.8713, 37.8949, 27.8776



38.0971, 37.8949, 65.8688

Square

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



30.8713, 37.8949, 27.8776



30.9778, 37.8949, 58.7873



41.7070, 37.8949, 58.3608



41.5771, 37.8949, 27.6184

Rectangle

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



30.8713, 37.8949, 27.8776



28.9952, 37.8949, 43.4259



41.7070, 37.8949, 58.3608



44.0919, 37.8949, 39.1695

Sweetspot

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



30.8723, 37.8965, 27.8784



67.3412, 74.1135, 72.4258



34.6788, 36.6697, 27.4410



14.8698, 16.4264, 15.9056



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.8723, 37.8965, 27.8784



53.0300, 67.3272, 45.0409



29.6838, 37.2099, 31.1638



8.0986, 9.0394, 8.5313



11.8674, 22.4149, 3.7010



0.3825, 0.6505, 0.1054

Inverse Universe

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



31.1333, 27.6186, 43.7365



53.5781, 45.5688, 78.6087



32.6467, 28.4956, 39.4342



8.1243, 8.0384, 10.0761



11.9830, 5.5373, 29.4818



0.3816, 0.1789, 0.8224

Previews

White Background



This preview shows how the XYZ color 30.8713, 37.8949, 27.8776 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 30.8713, 37.8949, 27.8776 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 30.8713, 37.8949, 27.8776

Background



This preview shows how black text looks on a background with the XYZ color 30.8713, 37.8949, 27.8776.



This preview shows how white text looks on a background with the XYZ color 30.8713, 37.8949,

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

30.8713, 37.8949, 27.8776

Protanopia

35.3221, 37.7254, 26.1889

Deuteranopia

38.3279, 37.6502, 28.5397



Tritanopia

35.2920, 38.0169, 49.1940

Trichromacy



Original Color

30.8713, 37.8949, 27.8776

Protanomaly

33.3417, 37.5095, 26.6019

Deuteranomaly

35.1042, 37.2989, 28.2709

Tritanomaly

33.4700, 37.8193, 40.6578

Monochromacy



Original Color

30.8713, 37.8949, 27.8776

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2866, 35.9823, 34.0978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8713, 37.8949, 27.8776 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(144, 174, 133)` looks like.

```
.text, #text, p{  
    color:rgb(144, 174, 133)  
}
```

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(144, 174, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 174, 133) }
```

Border

The CSS property to change the border of an element to XYZ 30.8713, 37.8949, 27.8776 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(144, 174, 133) }
```


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

```
.border{ border-color:rgb(144, 174, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 174, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 174, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 174, 133);  
box-shadow:4px 4px 4px 4px rgb(144, 174,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8713, 37.8949, 27.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 174, 133) }
```

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

```
.background{ background-color: rgb(144,  
174, 133) }
```

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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