

Converting Colors

XYZ(35.0192, 42.7926, 27.7286)

Have a look what the booklet for
XYZ(35.0192, 42.7926, 27.7286)
contains.

XYZ(34.9348, 42.6738, 27.8683)	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(34.9348, 42.6738,
27.8683)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB783
RGB	157, 183, 131
RGB Percent	62%, 72%, 51%
CMY	0.3843, 0.2823, 0.4863
CMYK	0.14, 0.00, 0.28, 0.28
HSL	90°, 27%, 62%
HSV	90°, 28%, 72%
XYZ	34.9348, 42.6738, 27.8683
YIQ	169.2980, 1.1960, -21.6840

Conversions

Conversions Part 2

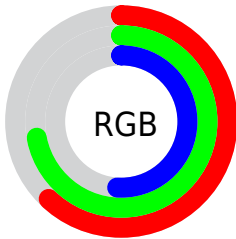
Format	Color
RYB	131, 183, 157
Decimal	10336131
CIELab	71.33, -18.28, 23.59
CIELCh	71, 29.842, 127.765
Yxy	42.6738, 0.3312, 0.4046
Android (android.graphics.Color)	4288526211 (0xFF9DB783)
YUV	169.2980, -18.8809, -10.7853
Hunter-Lab	65.3252, -18.8603, 20.4340

Details

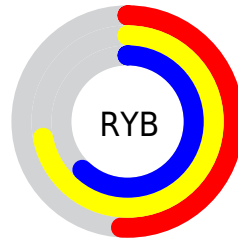
The XYZ color **34.9348, 42.6738, 27.8683** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.5700, 26.8208, 48.3679**, and the grayscale version is **37.9508, 39.9272, 43.4807**.

A 20% lighter version of the original color is **66.6696, 79.1907, 57.1189**, and **15.2935, 19.5626, 10.7545** is the 20% darker color. If you saturate the color by 10%, you get **32.0837, 41.3362, 21.8224**, and if you desaturate by 10%, it is **38.1410, 44.1718, 35.0761**.

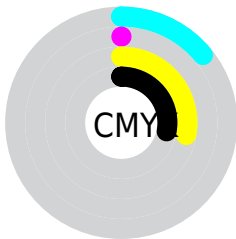
Distribution



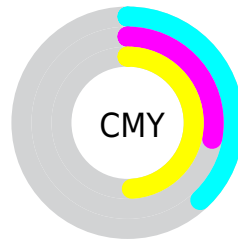
- Red (62%)
- Green (72%)
- Blue (51%)



- Red (51%)
- Yellow (72%)
- Blue (62%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (28%)





- Cyan (38%)
- Magenta (28%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9348, 42.6738, 27.8683 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 34.9348, 42.6738, 27.8683 by changing the saturation by 10% instead.


 34.9348, 42.6738,
27.8683


 34.9348, 42.6738,
27.8683


315.7935,
357.2686, 305.7292


 23.7789, 29.6293,
17.9882


 66.7194, 79.2184,
57.2947

 15.2936, 19.5574,
10.7722


 88.0789, 103.4872,
77.6781

 9.1133, 12.0737,
5.8016


 113.5703,
132.2663, 102.3996

 4.8729, 6.7939,
2.6580

143.5590,
165.9399, 131.8779

 2.2069, 3.3335,
0.9222

178.4103,
204.8926, 166.5315

 0.7463, 1.3082,
0.0000

218.4896,

 0.0000, 0.1476,

249.5086, 206.7789

0.0000

264.1622,
300.1725, 253.0386

0.0000, 0.0000,
0.0000

34.9348, 42.6738,
27.8683

34.9348, 42.6738,
27.8683

32.0837, 41.3362,
21.8224

38.1410, 44.1718,
35.0761

29.5699, 40.1471,
16.8749

41.7125, 45.8302,
43.4996

27.3789, 39.1020,
12.9602

45.6631, 47.6564,
53.1922

25.4937, 38.1936,
10.0048

50.0048, 49.6554,
64.2037

23.8952, 37.4140,
7.9253

54.7492, 51.8321,
76.5809

■ 22.5616, 36.7539,
6.6243

■ 59.9071, 54.1913,
90.3684

■ 21.4585, 36.1993,
5.9394

■ 64.8211, 56.4702,
102.0911

■ 21.2974, 36.1180,
5.8490

■ 67.6850, 57.9466,
102.2252

■ 70.7032, 59.5025,
102.3664

Harmonies

Analogous

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



39.2708, 42.6738, 24.1152



34.9348, 42.6738, 27.8683



32.2705, 42.6738, 36.7750

Triad

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



34.9348, 42.6738, 27.8683



37.0184, 42.6738, 77.0141



50.8883, 42.6738, 42.8311

Complementary

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



34.9348, 42.6738, 27.8683



30.5700, 26.8208, 48.3679

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.



50.1603, 42.6738, 57.7220



34.9348, 42.6738, 27.8683



41.8775, 42.6738, 79.5641

Square

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



34.9348, 42.6738, 27.8683



33.4025, 42.6738, 65.5198



46.7591, 42.6738, 71.9039



48.6736, 42.6738, 31.5162

Rectangle

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



34.9348, 42.6738, 27.8683



31.6647, 42.6738, 45.3954



46.7591, 42.6738, 71.9039



50.9827, 42.6738, 47.5503

Sweetspot

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



34.9359, 42.6757, 27.8692



74.2111, 81.8491, 76.7218



35.6838, 35.8215, 26.5068



16.1780, 17.9792, 16.4358



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.9359, 42.6757, 27.8692



59.3539, 74.9206, 43.0162



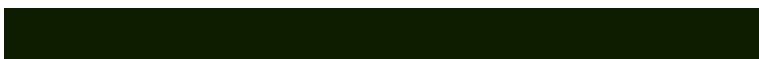
30.3916, 40.3330, 27.6566



9.3066, 10.2747, 9.5996



14.9359, 25.2360, 4.0838



0.5979, 0.9264, 0.1473

Inverse Universe

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



30.5700, 26.8208, 48.3679



50.2676, 41.9233, 85.6783



36.1937, 29.7200, 48.6311



8.9375, 8.9341, 11.3328



9.0869, 3.9957, 31.5454



0.3917, 0.1777, 1.1154

Previews

White Background



This preview shows how the XYZ color 34.9348, 42.6738, 27.8683 looks on a white background.

Color Contrast Check

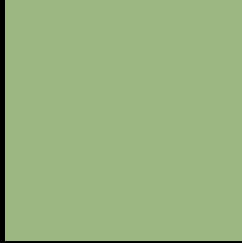
Large Text (above 18pt) WCAG AA × Fail

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 34.9348, 42.6738, 27.8683 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 34.9348, 42.6738, 27.8683

Background



This preview shows how black text looks on a background with the XYZ color 34.9348, 42.6738, 27.8683.



This preview shows how white text looks on a background with the XYZ color 34.9348, 42.6738,

27.8683.

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

34.9348, 42.6738, 27.8683

Protanopia

39.4603, 42.3692, 26.1770

Deuteranopia

43.2986, 42.3378, 28.4442



Tritanopia

40.2412, 42.4411, 54.2151

Trichromacy



Original Color

34.9348, 42.6738, 27.8683

Protanomaly

37.5229, 42.2329, 26.5962

Deuteranomaly

39.9162, 42.2720, 28.2458

Tritanomaly

38.0925, 42.4545, 43.2326

Monochromacy



Original Color

34.9348, 42.6738, 27.8683

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.5695, 40.6380, 36.9268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9348, 42.6738, 27.8683 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(157, 183, 131)` looks like.

```
.text, #text, p{  
    color:rgb(157, 183, 131)  
}
```

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(157, 183, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 183, 131) }
```

Border

The CSS property to change the border of an element to XYZ 34.9348, 42.6738, 27.8683 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(157, 183, 131) }
```


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

```
.border{ border-color:rgb(157, 183, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 183, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 183, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 183, 131); box-shadow:4px 4px 4px 4px rgb(157, 183, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9348, 42.6738, 27.8683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 183, 131) }
```

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

```
.background{ background-color: rgb(157,  
183, 131) }
```

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