

Converting Colors

XYZ(42.1098, 51.4402, 34.5019)

Have a look what the booklet for
XYZ(42.1098, 51.4402, 34.5019)
contains.

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Color

**XYZ(42.1118, 51.4372,
34.4969)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC791
RGB	170, 199, 145
RGB Percent	67%, 78%, 57%
CMY	0.3333, 0.2196, 0.4314
CMYK	0.15, 0.00, 0.27, 0.22
HSL	92°, 33%, 67%
HSV	92°, 27%, 78%
XYZ	42.1118, 51.4372, 34.4969
YIQ	184.1730, 0.0500, -22.9420

Conversions

Conversions Part 2

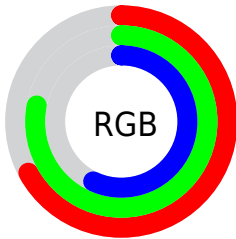
Format	Color
RYB	145, 199, 174
Decimal	11192209
CIELab	76.94, -19.44, 23.90
CIELCh	77, 30.810, 129.123
Yxy	51.4372, 0.3289, 0.4017
Android (android.graphics.Color)	4289382289 (0xFFAAC791)
YUV	184.1730, -19.3123, -12.4297
Hunter-Lab	71.7197, -20.6994, 21.6856

Details

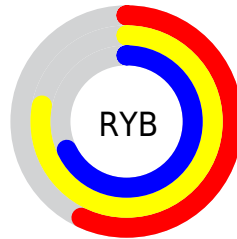
The XYZ color **42.1118, 51.4372, 34.4969** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.8919, 33.3744, 58.4804**, and the grayscale version is **45.7601, 48.1432, 52.4279**.

A 20% lighter version of the original color is **77.4328, 91.8123, 67.6732**, and **19.4819, 24.8409, 14.3576** is the 20% darker color. If you saturate the color by 10%, you get **38.4927, 49.7351, 27.0071**, and if you desaturate by 10%, it is **46.1903, 53.3482, 43.4134**.

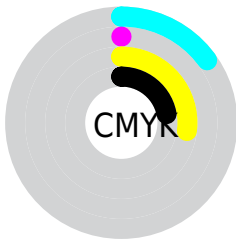
Distribution



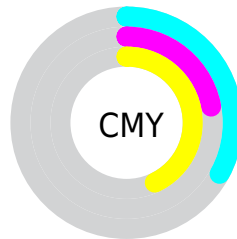
- Red (67%)
- Green (78%)
- Blue (57%)



- Red (57%)
- Yellow (78%)
- Blue (68%)



- Cyan (15%)
- Magenta (0%)
- Yellow (27%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1118, 51.4372, 34.4969 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 42.1118, 51.4372, 34.4969 by changing the saturation by 10% instead.


 42.1118, 51.4372,
34.4969


 42.1118, 51.4372,
34.4969


345.9299,
392.2600, 337.1786

 29.3803, 36.5567,
22.9951


 77.6329, 92.3007,
67.8484

 19.5145, 24.8644,
14.3847

 101.1533,
119.0525, 90.5351

 12.1488, 15.9761,
8.2469


129.0006,
150.5301, 117.7873

 6.9180, 9.5072,
4.1633

161.5403,
187.1180, 150.0235

 3.4568, 5.0735,
1.7154

199.1378,
229.2005, 187.6622

 1.3997, 2.2904,
0.3712

242.1583,

 0.2560, 0.7686,

277.1621, 231.1219

0.0000

290.9672,
331.3871, 280.8212

■ 0.0000, 0.0000,
0.0000

■ 42.1118, 51.4372,
34.4969

■ 42.1118, 51.4372,
34.4969

■ 38.4927, 49.7351,
27.0071

■ 46.1903, 53.3482,
43.4134

■ 35.3106, 48.2273,
20.8665

■ 50.7414, 55.4687,
53.8220

■ 32.5468, 46.9074,
15.9957


■ 55.7829, 57.8080,
65.7879

■ 30.1796, 45.7663,
12.3052


■ 61.3301, 60.3729,
79.3717


■ 28.1849, 44.7937,
9.6939


■ 67.3979, 63.1695,
94.6305


 26.5350, 43.9780,
8.0440

 72.4488, 65.5833,
103.4481

 25.1941, 43.3041,
7.1943

 76.0672, 67.4487,
103.6175

 24.8503, 43.1306,
7.0153

 79.7145, 69.3289,
103.7882

Harmonies

Analogous

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



47.1227, 51.4372, 29.7821



42.1118, 51.4372, 34.4969



39.0893, 51.4372, 45.2650

Triad

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



42.1118, 51.4372, 34.4969



44.9790, 51.4372, 91.9376



60.8939, 51.4372, 51.0387

Complementary

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



42.1118, 51.4372, 34.4969



37.8919, 33.3744, 58.4804

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.



60.2044, 51.4372, 68.3253



42.1118, 51.4372, 34.4969



50.6999, 51.4372, 94.3408

Square

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



42.1118, 51.4372, 34.4969



40.6504, 51.4372, 78.9634



56.3580, 51.4372, 84.9923



58.1729, 51.4372, 37.9953

Rectangle

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



42.1118, 51.4372, 34.4969



38.4560, 51.4372, 55.5135



56.3580, 51.4372, 84.9923



61.0577, 51.4372, 56.5022

Sweetspot

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



42.1131, 51.4394, 34.4980



88.0210, 96.7359, 92.3273



43.7634, 44.3833, 33.0491



18.5707, 20.5801, 19.1379



0.0000, 0.0000, 0.0000



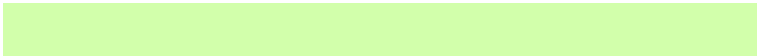
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1131, 51.4394, 34.4980



69.6191, 88.1275, 51.7942



37.3528, 48.9692, 35.0056



10.9563, 12.1244, 11.3255



16.0774, 27.7835, 4.5154



0.8446, 1.3585, 0.2177

Inverse Universe

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



37.8919, 33.3744, 58.4804



60.9170, 50.8951, 101.2208



43.7816, 36.4347, 57.6713



10.5916, 10.5633, 13.3982



10.6204, 4.7093, 35.0936



0.5858, 0.2658, 1.6656

Previews

White Background



This preview shows how the XYZ color 42.1118, 51.4372, 34.4969 looks on a white background.

Color Contrast Check

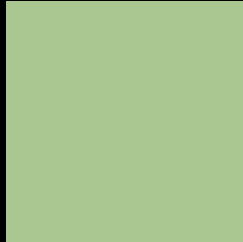
Large Text (above 18pt) WCAG AA × Fail

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 42.1118, 51.4372, 34.4969 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

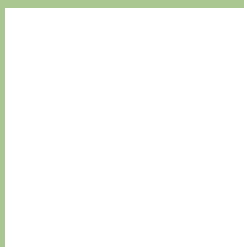
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1118, 51.4372, 34.4969

Background



This preview shows how black text looks on a background with the XYZ color 42.1118, 51.4372, 34.4969.



This preview shows how white text looks on a background with the XYZ color 42.1118, 51.4372,

34.4969.

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

42.1118, 51.4372, 34.4969

Protanopia

47.6339, 51.0148, 32.5356

Deuteranopia

52.2770, 51.1554, 35.5525



Tritanopia

48.3618, 51.3015, 65.7458

Trichromacy



Original Color

42.1118, 51.4372, 34.4969

Protanomaly

45.4383, 51.1693, 33.0730

Deuteranomaly

47.9571, 50.8011, 35.2949

Tritanomaly

45.8480, 51.2744, 52.8279

Monochromacy



Original Color

42.1118, 51.4372, 34.4969

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.0437, 48.8812, 45.1439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1118, 51.4372, 34.4969 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(170, 199, 145)` looks like.

```
.text, #text, p{  
    color:rgb(170, 199, 145)  
}
```

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(170, 199, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 199, 145) }
```

Border

The CSS property to change the border of an element to XYZ 42.1118, 51.4372, 34.4969 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(170, 199, 145) }
```


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

```
.border{ border-color:rgb(170, 199, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 199, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 199, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 199, 145);  
box-shadow:4px 4px 4px 4px rgb(170, 199,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1118, 51.4372, 34.4969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 199, 145) }
```

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

```
.background{ background-color: rgb(170,  
199, 145) }
```

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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