

Converting Colors

XYZ(34.7774, 58.9082, 42.3759)

Have a look what the booklet for
XYZ(34.7774, 58.9082, 42.3759)
contains.

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Color

**XYZ(34.7033, 58.7614,
42.3139)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 1AE59F |
| RGB | 26, 229, 159 |
| RGB Percent | 10%, 90%, 62% |
| CMY | 0.8980, 0.1019, 0.3765 |
| CMYK | 0.89, 0.00, 0.31, 0.10 |
| HSL | 159°, 80%, 50% |
| HSV | 159°, 89%, 90% |
| XYZ | 34.7033, 58.7614, 42.3139 |
| YIQ | 160.3230, -98.5180, -64.8060 |

Conversions

Conversions Part 2

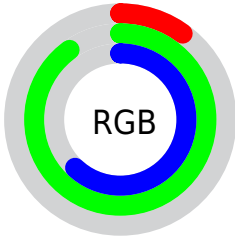
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 26, 149, 229 |
| Decimal | 1762719 |
| CIE _{Lab} | 81.16, -61.43, 21.57 |
| CIE _{LCh} | 81, 65.104, 160.653 |
| Yxy | 58.7614, 0.2556, 0.4328 |
| Android (android.graphics.Color) | 4279952799 (0xFF1AE59F) |
| YUV | 160.3230, -0.6522, -117.8013 |
| Hunter-Lab | 76.6560, -53.3384, 20.9313 |

Details

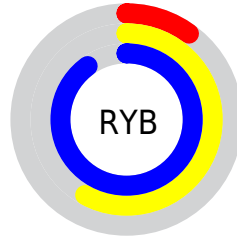
The XYZ color **34.7033, 58.7614, 42.3139** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **34.7959, 18.2428, 12.7571**, and the grayscale version is **33.6007, 35.3505, 38.4967**.

A 20% lighter version of the original color is **54.8370, 79.9524, 76.1605**, and **17.4064, 30.5666, 18.8924** is the 20% darker color. If you saturate the color by 10%, you get **33.6537, 58.2985, 38.8019**, and if you desaturate by 10%, it is **36.2485, 59.4778, 46.0803**.

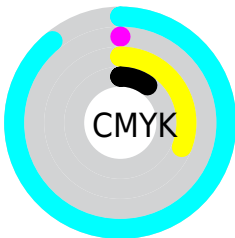
Distribution



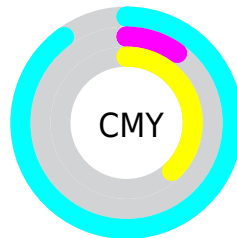
- Red (10%)
- Green (90%)
- Blue (62%)



- Red (10%)
- Yellow (58%)
- Blue (90%)



- Cyan (89%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (90%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7033, 58.7614, 42.3139 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 34.7033, 58.7614, 42.3139 by changing the saturation by 10% instead.


 34.7033, 58.7614,
42.3139

 34.7033, 58.7614,
42.3139


314.7878,
420.0171, 371.6205


 23.5999, 42.4211,
29.0198


 66.3629, 103.0308,
79.9497


 15.1602, 29.4311,
18.8501


 87.6498, 131.7287,
105.1284


 9.0189, 19.4072,
11.3863


 113.0619,
165.3145, 135.1058

 4.8107, 11.9649,
6.2098

 142.9646,
204.1727, 170.3002

 2.1703, 6.7198,
2.9023

 177.7231,
248.6877, 211.1304

 0.7270, 3.2875,
1.0449

217.7029,

 0.0000, 1.2836,

299.2438, 258.0148

0.0000

263.2694,
356.2255, 311.3720

■ 0.0000, 0.1284,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7033, 58.7614,
42.3139

■ 34.7033, 58.7614,
42.3139

■ 33.6537, 58.2985,
38.8019


■ 36.2485, 59.4778,
46.0803


■ 33.5279, 58.2437,
38.3426


■ 38.3968, 60.4984,
50.1064


■ 41.2254, 61.8644,
54.4010


■ 44.7983, 63.6089,
58.9712

 49.1720, 65.7607,
63.8232

 54.3972, 68.3461,
68.9634

 60.5205, 71.3888,
74.3974

 67.5849, 74.9111,
80.1309

 75.6305, 78.9334,
86.1692

Harmonies

Analogous

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



40.5424, 58.7614, 22.4339



34.7033, 58.7614, 42.3139



33.9645, 58.7614, 78.7863

Triad

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



34.7033, 58.7614, 42.3139



60.8059, 58.7614, 168.8570



78.0340, 58.7614, 26.6490

Complementary

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



34.7033, 58.7614, 42.3139



34.7959, 18.2428, 12.7571

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.



85.5589, 58.7614, 51.1577



34.7033, 58.7614, 42.3139



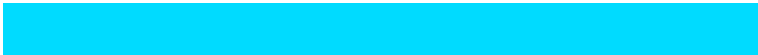
74.5967, 58.7614, 138.9013

Square

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



34.7033, 58.7614, 42.3139



47.6588, 58.7614, 163.3296



84.2081, 58.7614, 92.0118



64.9318, 58.7614, 16.2516

Rectangle

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



34.7033, 58.7614, 42.3139



36.3066, 58.7614, 110.0476



84.2081, 58.7614, 92.0118



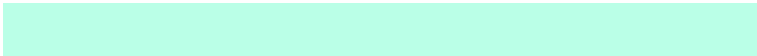
81.3885, 58.7614, 32.9868

Sweetspot

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



34.7049, 58.7637, 42.3153



70.5063, 87.7620, 89.0155



33.1431, 58.6600, 10.5537



14.5616, 18.5220, 18.5577



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.



34.7049, 58.7637, 42.3153



42.7409, 74.3124, 48.6808



34.8909, 46.5195, 81.2717



14.5852, 16.2475, 17.3466



19.2277, 33.3232, 22.2310



1.4642, 2.4798, 1.8708

Inverse Universe

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



34.7959, 18.2428, 12.7571



42.9988, 21.9635, 11.1919



33.9375, 19.6065, 2.9738



14.5811, 14.4496, 15.9946



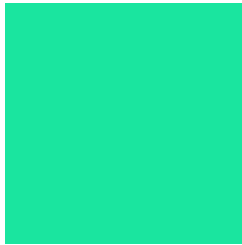
19.3324, 9.8672, 5.3794



1.4711, 0.7461, 0.6212

Previews

White Background



This preview shows how the XYZ color 34.7033, 58.7614, 42.3139 looks on a white background.

Color Contrast Check

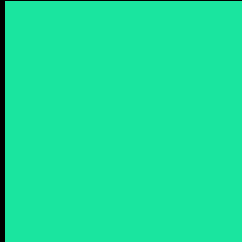
Large Text (above 18pt) WCAG AA × Fail

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 34.7033, 58.7614, 42.3139 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 34.7033, 58.7614, 42.3139

Background



This preview shows how black text looks on a background with the XYZ color 34.7033, 58.7614, 42.3139.

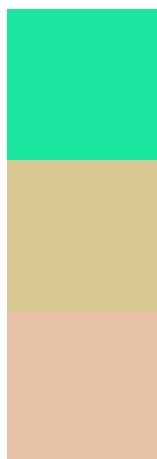


This preview shows how white text looks on a background with the XYZ color 34.7033, 58.7614,

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

34.7033, 58.7614, 42.3139

Protanopia

53.6361, 57.3692, 35.4406

Deuteranopia

58.4578, 57.3123, 44.5405



Tritanopia

44.0109, 58.5268, 89.0979

Trichromacy



Original Color

34.7033, 58.7614, 42.3139



Protanomaly

40.4866, 54.4385, 37.6520



Deuteranomaly

42.2425, 53.4109, 43.2049



Tritanomaly

39.8208, 58.3709, 69.4895

Monochromacy



Original Color

34.7033, 58.7614, 42.3139



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.2497, 40.6155, 39.5030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7033, 58.7614, 42.3139 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(26, 229, 159)` looks like.

```
.text, #text, p{  
    color:rgb(26, 229, 159)  
}
```

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(26, 229, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 229, 159) }
```

Border

The CSS property to change the border of an element to XYZ 34.7033, 58.7614, 42.3139 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(26, 229, 159) }
```


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

```
.border{ border-color:rgb(26, 229, 159) }
```

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

Here you see how a box with a 4 pixel rgb(26, 229, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 229, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 229, 159);  
box-shadow:4px 4px 4px 4px rgb(26, 229,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7033, 58.7614, 42.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 229, 159) }
```

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

```
.background{ background-color: rgb(26, 229,  
159) }
```

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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