

Converting Colors

XYZ(34.7593, 57.9637, 41.7499)

Have a look what the booklet for
XYZ(34.7593, 57.9637, 41.7499)
contains.

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Color

**XYZ(34.7674, 57.9876,
41.7081)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE39E
RGB	46, 227, 158
RGB Percent	18%, 89%, 62%
CMY	0.8196, 0.1098, 0.3804
CMYK	0.80, 0.00, 0.30, 0.11
HSL	157°, 76%, 54%
HSV	157°, 80%, 89%
XYZ	34.7674, 57.9876, 41.7081
YIQ	165.0150, -85.7270, -59.8310

Conversions

Conversions Part 2

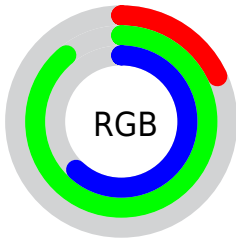
Format	Color
RYB	46, 158, 227
Decimal	3072926
CIELab	80.73, -59.36, 21.53
CIELCh	81, 63.145, 160.065
Yxy	57.9876, 0.2586, 0.4313
Android (android.graphics.Color)	4281263006 (0xFF2EE39E)
YUV	165.0150, -3.4584, -104.3762
Hunter-Lab	76.1496, -51.7645, 20.8308

Details

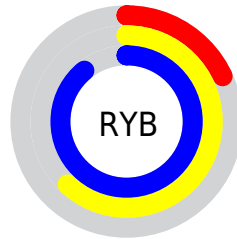
The XYZ color **34.7674, 57.9876, 41.7081** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **35.7521, 19.5242, 18.1069**, and the grayscale version is **35.8189, 37.6842, 41.0381**.

A 20% lighter version of the original color is **55.7963, 80.4617, 75.5407**, and **16.9762, 29.7901, 18.4910** is the 20% darker color. If you saturate the color by 10%, you get **33.2832, 57.3070, 37.8869**, and if you desaturate by 10%, it is **36.8471, 58.9721, 45.8336**.

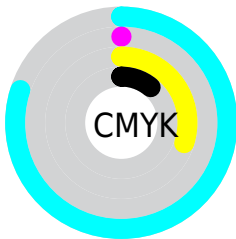
Distribution



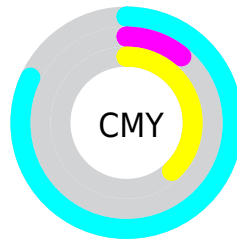
- Red (18%)
- Green (89%)
- Blue (62%)



- Red (18%)
- Yellow (62%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7674, 57.9876, 41.7081 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 34.7674, 57.9876, 41.7081 by changing the saturation by 10% instead.


 34.7674, 57.9876,
41.7081


 34.7674, 57.9876,
41.7081


315.0665,
417.1397, 369.0354


 23.6494, 41.7987,
28.5489


 66.4617, 101.9048,
79.0230


 15.1971, 28.9437,
18.4972


 87.7687, 130.4019,
104.0158


 9.0450, 19.0382,
11.1344


 113.2028,
163.7704, 133.7902

 4.8279, 11.6979,
6.0420

 143.1293,
202.3949, 168.7647

 2.1804, 6.5383,
2.8014

 177.9135,
246.6597, 209.3580

 0.7324, 3.1751,
0.9942

217.9209,

 0.0000, 1.2238,

296.9492, 255.9885

0.0000

263.5168,
353.6477, 309.0748

■ 0.0000, 0.0810,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7674, 57.9876,
41.7081

■ 34.7674, 57.9876,
41.7081

■ 33.2832, 57.3070,
37.8869

■ 36.8471, 58.9721,
45.8336


■ 32.2627, 56.8581,
34.3544


■ 39.5933, 60.2925,
50.2684


■ 32.2379, 56.8473,
34.2635


■ 43.0718, 61.9841,
55.0220


■ 47.3387, 64.0758,
60.1023

 52.4444, 66.5933,
65.5165

 58.4351, 69.5604,
71.2718

 65.3535, 72.9991,
77.3749

 73.2395, 76.9297,
83.8323

 82.1306, 81.3715,
90.6503

Harmonies

Analogous

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



40.5177, 57.9876, 22.6214



34.7674, 57.9876, 41.7081



33.9537, 57.9876, 76.5202

Triad

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



34.7674, 57.9876, 41.7081



59.6088, 57.9876, 163.3439



76.5865, 57.9876, 27.3137

Complementary

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



34.7674, 57.9876, 41.7081



35.7521, 19.5242, 18.1069

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.



83.6302, 57.9876, 51.4158



34.7674, 57.9876, 41.7081



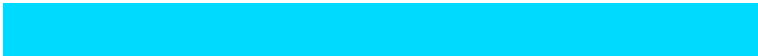
72.8556, 57.9876, 135.4620

Square

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



34.7674, 57.9876, 41.7081



47.0111, 57.9876, 157.3998



82.1665, 57.9876, 90.8818



64.1015, 57.9876, 16.8694

Rectangle

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



34.7674, 57.9876, 41.7081



36.1601, 57.9876, 106.3130



82.1665, 57.9876, 90.8818



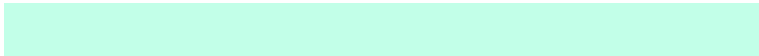
79.7518, 57.9876, 33.5941

Sweetspot

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



34.7689, 57.9899, 41.7094



72.4753, 88.7703, 89.4118



35.0850, 58.8088, 12.0877



14.9252, 18.7097, 18.5670



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.



34.7689, 57.9899, 41.7094



42.3803, 74.1829, 46.1158



37.0370, 50.2158, 80.4162



14.5623, 16.2384, 17.2260



18.8591, 33.1757, 20.2902



1.4386, 2.4695, 1.7360

Inverse Universe

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



35.7521, 19.5242, 18.1069



43.8254, 22.4713, 14.9984



34.1876, 20.5580, 4.7519



14.6032, 14.4585, 16.1109



19.5200, 9.9422, 6.3671



1.4866, 0.7524, 0.7030

Previews

White Background



This preview shows how the XYZ color 34.7674, 57.9876, 41.7081 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 34.7674, 57.9876, 41.7081 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

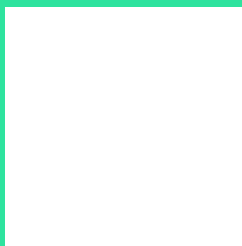
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7674, 57.9876, 41.7081

Background



This preview shows how black text looks on a background with the XYZ color 34.7674, 57.9876, 41.7081.



This preview shows how white text looks on a background with the XYZ color 34.7674, 57.9876,

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

34.7674, 57.9876, 41.7081

Protanopia

52.7455, 56.5786, 34.9288

Deuteranopia

57.8268, 56.6728, 43.9675



Tritanopia

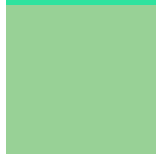
43.7387, 57.6501, 87.4196

Trichromacy



Original Color

34.7674, 57.9876, 41.7081



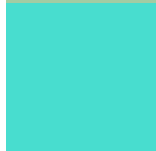
Protanomaly

41.2544, 54.4783, 37.1952



Deuteranomaly

43.1040, 53.5115, 42.7073



Tritanomaly

39.7914, 57.5956, 68.0513

Monochromacy



Original Color

34.7674, 57.9876, 41.7081



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.5308, 42.7126, 40.7122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7674, 57.9876, 41.7081 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(46, 227, 158)` looks like.

```
.text, #text, p{  
    color:rgb(46, 227, 158)  
}
```

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(46, 227, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 227, 158) }
```

Border

The CSS property to change the border of an element to XYZ 34.7674, 57.9876, 41.7081 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(46, 227, 158) }
```


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

```
.border{ border-color:rgb(46, 227, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 227, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 227, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 227, 158);  
box-shadow:4px 4px 4px 4px rgb(46, 227,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7674, 57.9876, 41.7081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 227, 158) }
```

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

```
.background{ background-color: rgb(46, 227,  
158) }
```

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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