

Converting Colors

XYZ(34.6974, 57.9414, 41.5346)

Have a look what the booklet for
XYZ(34.6974, 57.9414, 41.5346)
contains.

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Color

**XYZ(34.7228, 57.9647,
41.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE39E
RGB	45, 227, 158
RGB Percent	18%, 89%, 62%
CMY	0.8235, 0.1098, 0.3804
CMYK	0.80, 0.00, 0.30, 0.11
HSL	157°, 76%, 53%
HSV	157°, 80%, 89%
XYZ	34.7228, 57.9647, 41.7060
YIQ	164.7160, -86.3230, -60.0430

Conversions

Conversions Part 2

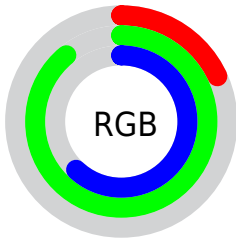
Format	Color
RYB	45, 157, 227
Decimal	3007390
CIELab	80.72, -59.46, 21.51
CIELCh	81, 63.230, 160.112
Yxy	57.9647, 0.2584, 0.4313
Android (android.graphics.Color)	4281197470 (0xFF2DE39E)
YUV	164.7160, -3.3110, -104.9909
Hunter-Lab	76.1346, -51.8267, 20.8155

Details

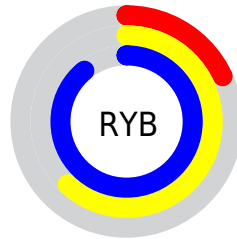
The XYZ color **34.7228, 57.9647, 41.7060** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **35.6561, 19.4238, 17.7917**, and the grayscale version is **35.6747, 37.5326, 40.8730**.

A 20% lighter version of the original color is **55.6554, 80.3890, 75.5341**, and **16.9762, 29.7901, 18.4910** is the 20% darker color. If you saturate the color by 10%, you get **33.2643, 57.2969, 37.9059**, and if you desaturate by 10%, it is **36.7725, 58.9343, 45.8072**.

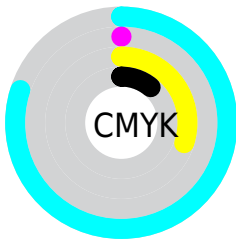
Distribution



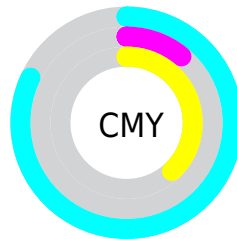
- Red (18%)
- Green (89%)
- Blue (62%)



- 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 34.7228, 57.9647, 41.7060 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 34.7228, 57.9647, 41.7060 by changing the saturation by 10% instead.


 34.7228, 57.9647,
41.7060


 34.7228, 57.9647,
41.7060


314.8726,
417.0544, 369.0264

 23.6149, 41.7803,
28.5473


 66.3930, 101.8715,
79.0198


 15.1714, 28.9293,
18.4960


 87.6860, 130.3626,
104.0119


 9.0269, 19.0273,
11.1336


 113.1048,
163.7247, 133.7856

 4.8160, 11.6900,
6.0414

 143.0147,
202.3422, 168.7594

 2.1733, 6.5330,
2.8011

 177.7811,
246.5996, 209.3518

 0.7286, 3.1718,
0.9940

217.7693,

 0.0000, 1.2221,

296.8811, 255.9814

0.0000

263.3447,
353.5713, 309.0668

■ 0.0000, 0.0796,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7228, 57.9647,
41.7060

■ 34.7228, 57.9647,
41.7060

■ 33.2643, 57.2969,
37.9059


■ 36.7725, 58.9343,
45.8072


■ 32.2733, 56.8615,
34.4499


■ 39.4853, 60.2380,
50.2144

■ 42.9270, 61.9113,
54.9371


■ 47.1542, 63.9832,
59.9830

 52.2175, 66.4797,
65.3594

 58.1633, 69.4245,
71.0734

 65.0343, 72.8397,
77.1315

 72.8705, 76.7457,
83.5403

 81.7095, 81.1617,
90.3059

Harmonies

Analogous

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



40.4694, 57.9647, 22.5904



34.7228, 57.9647, 41.7060



33.9164, 57.9647, 76.5770

Triad

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



34.7228, 57.9647, 41.7060



59.6134, 57.9647, 163.4578



76.5752, 57.9647, 27.2379

Complementary

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



34.7228, 57.9647, 41.7060



35.6561, 19.4238, 17.7917

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.



83.6408, 57.9647, 51.3288



34.7228, 57.9647, 41.7060



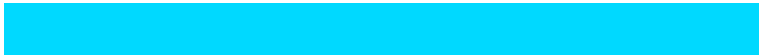
72.8746, 57.9647, 135.4812

Square

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



34.7228, 57.9647, 41.7060



46.9985, 57.9647, 157.5588



82.1889, 57.9647, 90.8217



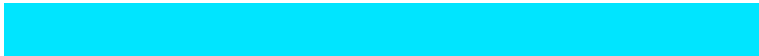
64.0689, 57.9647, 16.8129

Rectangle

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



34.7228, 57.9647, 41.7060



36.1293, 57.9647, 106.4187



82.1889, 57.9647, 90.8217



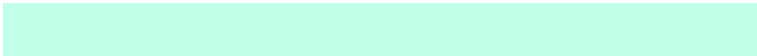
79.7483, 57.9647, 33.5125

Sweetspot

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



34.7243, 57.9670, 41.7073



72.4935, 88.7776, 89.5078



34.9842, 58.7592, 11.9810



14.9296, 18.7114, 18.5901



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.



34.7243, 57.9670, 41.7073



42.4260, 74.2011, 46.3563



36.9643, 50.1366, 80.4049



14.5637, 16.2389, 17.2330



18.8797, 33.1840, 20.3984



1.4400, 2.4701, 1.7436

Inverse Universe

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



35.6561, 19.4238, 17.7917



43.7995, 22.4609, 14.8620



34.1157, 20.4454, 4.6315



14.6019, 14.4580, 16.1042



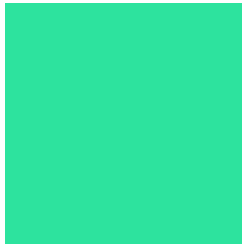
19.5085, 9.9376, 6.3070



1.4857, 0.7520, 0.6981

Previews

White Background



This preview shows how the XYZ color 34.7228, 57.9647, 41.7060 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 34.7228, 57.9647, 41.7060 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

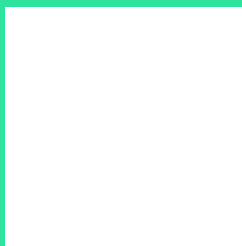
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7228, 57.9647, 41.7060

Background



This preview shows how black text looks on a background with the XYZ color 34.7228, 57.9647, 41.7060.

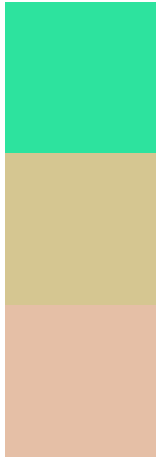


This preview shows how white text looks on a background with the XYZ color 34.7228, 57.9647,

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

34.7228, 57.9647, 41.7060

Protanopia

52.7455, 56.5786, 34.9288

Deuteranopia

57.8268, 56.6728, 43.9675



Tritanopia

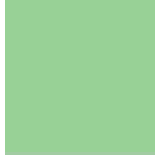
43.7387, 57.6501, 87.4196

Trichromacy



Original Color

34.7228, 57.9647, 41.7060



Protanomaly

41.2544, 54.4783, 37.1952



Deuteranomaly

43.1040, 53.5115, 42.7073



Tritanomaly

39.7914, 57.5956, 68.0513

Monochromacy



Original Color

34.7228, 57.9647, 41.7060



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.3900, 42.6400, 40.7056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7228, 57.9647, 41.7060 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(45, 227, 158)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 227, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 158) }
```

Border

The CSS property to change the border of an element to XYZ 34.7228, 57.9647, 41.7060 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(45, 227, 158) }
```


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

```
.border{ border-color:rgb(45, 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(45, 227, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 158);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7228, 57.9647, 41.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 158) }
```

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

```
.background{ background-color: rgb(45, 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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