

Converting Colors

XYZ(33.9252, 57.6334, 37.4659)

Have a look what the booklet for
XYZ(33.9252, 57.6334, 37.4659)
contains.

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Color

**XYZ(33.8966, 57.6342,
37.3549)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE394
RGB	45, 227, 148
RGB Percent	18%, 89%, 58%
CMY	0.8235, 0.1098, 0.4196
CMYK	0.80, 0.00, 0.35, 0.11
HSL	154°, 76%, 53%
HSV	154°, 80%, 89%
XYZ	33.8966, 57.6342, 37.3549
YIQ	163.5760, -83.1130, -63.1530

Conversions

Conversions Part 2

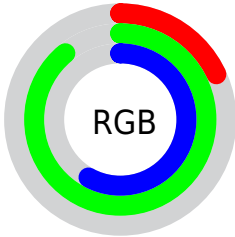
Format	Color
RYB	45, 161, 227
Decimal	3007380
CIELab	80.53, -61.52, 26.43
CIElCh	81, 66.960, 156.752
Yxy	57.6342, 0.2630, 0.4472
Android (android.graphics.Color)	4281197460 (0xFF2DE394)
YUV	163.5760, -7.6790, -103.9912
Hunter-Lab	75.9172, -53.1558, 23.9685

Details

The XYZ color **33.8966, 57.6342, 37.3549** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **36.2571, 19.6643, 20.9563**, and the grayscale version is **35.1505, 36.9811, 40.2724**.

A 20% lighter version of the original color is **54.3058, 79.8492, 68.4273**, and **16.5324, 29.6125, 16.1537** is the 20% darker color. If you saturate the color by 10%, you get **32.4060, 56.9536, 33.3863**, and if you desaturate by 10%, it is **35.9928, 58.6224, 41.7011**.

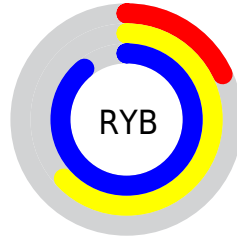
Distribution



Red (18%)

Green (89%)

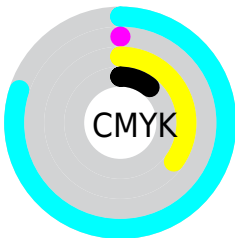
Blue (58%)



Red (18%)

Yellow (63%)

Blue (89%)

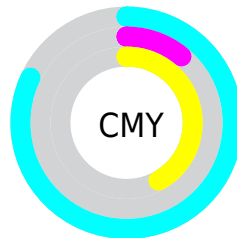


Cyan (80%)

Magenta (0%)

Yellow (35%)

Black (11%)



Cyan (82%)


Magenta (11%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8966, 57.6342, 37.3549 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 33.8966, 57.6342, 37.3549 by changing the saturation by 10% instead.


 33.8966, 57.6342,
37.3549


 33.8966, 57.6342,
37.3549


311.2648,
415.8215, 350.0594


 22.9767, 41.5146,
25.1845


 65.1182, 101.3900,
72.3107


 14.6969, 28.7214,
15.9943


 86.1506, 129.7950,
95.9331


 8.6919, 18.8702,
9.3658

 111.2845,
163.0639, 124.2100

 4.5962, 11.5765,
4.8805

 140.8854,
201.5812, 157.5598

 2.0447, 6.4560,
2.1198

 175.3185,
245.7312, 196.4011

 0.6589, 3.1243,
0.6275

214.9492,

 0.0000, 1.1970,

295.8983, 241.1524

0.0000

260.1428,
352.4670, 292.2323

■ 0.0000, 0.0592,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8966, 57.6342,
37.3549

■ 33.8966, 57.6342,
37.3549

■ 32.4060, 56.9536,
33.3863


■ 35.9928, 58.6224,
41.7011


■ 31.3971, 56.5111,
29.8360


■ 38.7672, 59.9508,
46.4327


■ 42.2863, 61.6550,
51.5621


■ 46.6068, 63.7643,
57.0997

 51.7802, 66.3048,
63.0555

 57.8531, 69.3005,
69.4389

 64.8689, 72.7736,
76.2591

 72.8679, 76.7447,
83.5249

 81.8882, 81.2332,
91.2447

Harmonies

Analogous

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



40.4303, 57.6342, 19.5287



33.8966, 57.6342, 37.3549



32.4905, 57.6342, 72.0868

Triad

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



33.8966, 57.6342, 37.3549



57.9482, 57.6342, 172.0183



78.8183, 57.6342, 27.4689

Complementary

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



33.8966, 57.6342, 37.3549



36.2571, 19.6643, 20.9563

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.



85.4625, 57.6342, 54.2633



33.8966, 57.6342, 37.3549



72.1762, 57.6342, 145.1010

Square

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



33.8966, 57.6342, 37.3549



44.9902, 57.6342, 161.2360



82.8480, 57.6342, 97.6470



65.8950, 57.6342, 15.7181

Rectangle

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



33.8966, 57.6342, 37.3549



34.3953, 57.6342, 103.3930



82.8480, 57.6342, 97.6470



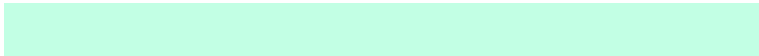
81.9507, 57.6342, 34.4624

Sweetspot

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



33.8981, 57.6365, 37.3562



72.0208, 88.5885, 87.0186



36.6823, 59.6346, 12.0606



14.8159, 18.6659, 17.9911



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.



33.8981, 57.6365, 37.3562



41.2915, 73.7473, 40.3820



39.9947, 56.1973, 81.4150



14.5293, 16.2251, 17.0520



18.3698, 32.9800, 17.7137



1.4039, 2.4557, 1.5535

Inverse Universe

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



36.2571, 19.6643, 20.9563



44.5301, 22.7532, 18.7095



33.4777, 19.1693, 4.4189



14.6355, 14.4714, 16.2808



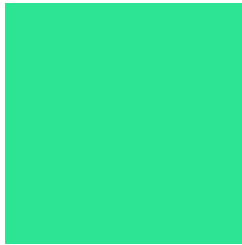
19.8317, 10.0669, 8.0089



1.5114, 0.7623, 0.8335

Previews

White Background



This preview shows how the XYZ color 33.8966, 57.6342, 37.3549 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 33.8966, 57.6342, 37.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

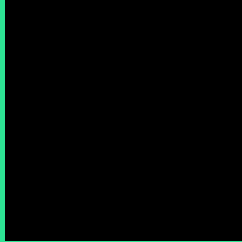
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8966, 57.6342, 37.3549

Background



This preview shows how black text looks on a background with the XYZ color 33.8966, 57.6342, 37.3549.



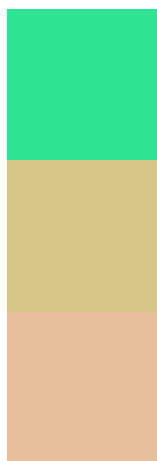
This preview shows how white text looks on a background with the XYZ color 33.8966, 57.6342,

37.3549.

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

33.8966, 57.6342, 37.3549

Protanopia

52.3696, 56.4619, 31.4306

Deuteranopia

57.3692, 56.2161, 39.2796



Tritanopia

43.5270, 57.1761, 86.5839

Trichromacy



Original Color

33.8966, 57.6342, 37.3549



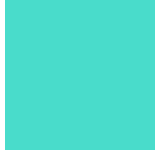
Protanomaly

40.6710, 54.2667, 33.1419



Deuteranomaly

42.2100, 52.7983, 38.1034



Tritanomaly

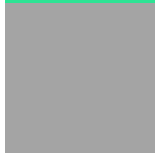
39.1203, 56.9147, 65.4237

Monochromacy



Original Color

33.8966, 57.6342, 37.3549



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.8270, 42.0742, 38.7914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8966, 57.6342, 37.3549 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 148) }
```

Border

The CSS property to change the border of an element to XYZ 33.8966, 57.6342, 37.3549 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, 148) }
```


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

```
.border{ border-color:rgb(45, 227, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 148);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8966, 57.6342, 37.3549 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, 148) }
```

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

```
.background{ background-color: rgb(45, 227,  
148) }
```

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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