

Converting Colors

XYZ(33.8044, 57.5202, 40.7243)

Have a look what the booklet for
XYZ(33.8044, 57.5202, 40.7243)
contains.

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Color

**XYZ(33.8007, 57.5090,
40.7714)**

Conversions

Conversions Part 1

Format	Color
Hex	16E39C
RGB	22, 227, 156
RGB Percent	9%, 89%, 61%
CMY	0.9137, 0.1098, 0.3882
CMYK	0.90, 0.00, 0.31, 0.11
HSL	159°, 82%, 49%
HSV	159°, 90%, 89%
XYZ	33.8007, 57.5090, 40.7714
YIQ	157.6110, -99.3890, -65.5410

Conversions

Conversions Part 2

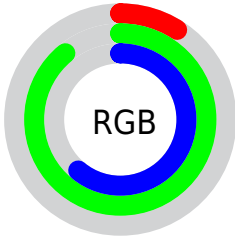
Format	Color
RYB	22, 146, 227
Decimal	1500060
CIELab	80.47, -61.56, 22.16
CIELCh	80, 65.425, 160.198
Yxy	57.5090, 0.2559, 0.4354
Android (android.graphics.Color)	4279690140 (0xFF16E39C)
YUV	157.6110, -0.7942, -118.9308
Hunter-Lab	75.8347, -53.1505, 21.2079

Details

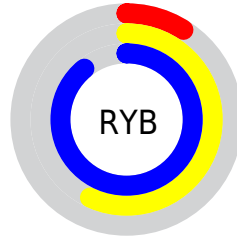
The XYZ color **33.8007, 57.5090, 40.7714** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **33.9434, 17.6965, 11.9863**, and the grayscale version is **32.3616, 34.0470, 37.0771**.

A 20% lighter version of the original color is **54.2000, 79.6679, 74.1488**, and **16.8734, 29.7489, 17.9495** is the 20% darker color. If you saturate the color by 10%, you get **32.8453, 57.0902, 37.4622**, and if you desaturate by 10%, it is **35.2284, 58.1671, 44.4287**.

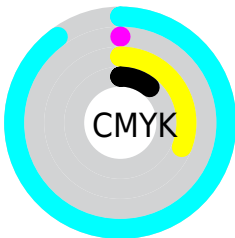
Distribution



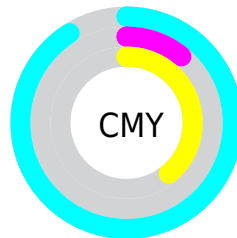
- Red (9%)
- Green (89%)
- Blue (61%)



- Red (9%)
- Yellow (57%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (91%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8007, 57.5090, 40.7714 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 33.8007, 57.5090, 40.7714 by changing the saturation by 10% instead.


 33.8007, 57.5090,
40.7714


 33.8007, 57.5090,
40.7714


310.8440,
415.3539, 365.0126


 22.9027, 41.4140,
27.8222


 64.9700, 101.2075,
77.5866


 14.6420, 28.6428,
17.9538


 85.9720, 129.5798,
102.2897


 8.6532, 18.8107,
10.7477


 111.0726,
162.8134, 131.7478

 4.5710, 11.5336,
5.7854

 140.6374,
201.2926, 166.3795

 2.0299, 6.4269,
2.6484

 175.0315,
245.4019, 206.6033

 0.6507, 3.1064,
0.9173

214.6205,

 0.0000, 1.1875,

295.5256, 252.8377

0.0000

259.7695,
352.0481, 305.5013

■ 0.0000, 0.0515,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8007, 57.5090,
40.7714

■ 33.8007, 57.5090,
40.7714

■ 32.8453, 57.0902,
37.4622

■ 35.2284, 58.1671,
44.4287

■ 37.2336, 59.1163,
48.3409

■ 39.8943, 60.3982,
52.5168

■ 43.2747, 62.0460,
56.9636

■ 47.4311, 64.0884,
61.6874

■ 52.4140, 66.5515,
66.6945

■ 58.2697, 69.4591,
71.9906

■ 65.0406, 72.8329,
77.5813

■ 72.7667, 76.6935,
83.4720

Harmonies

Analogous

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



39.6411, 57.5090, 21.4350



33.8007, 57.5090, 40.7714



32.9956, 57.5090, 76.6327

Triad

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



33.8007, 57.5090, 40.7714



59.3572, 57.5090, 167.1370



76.8325, 57.5090, 26.0076

Complementary

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



33.8007, 57.5090, 40.7714



33.9434, 17.6965, 11.9863

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.



84.1909, 57.5090, 50.4246



33.8007, 57.5090, 40.7714



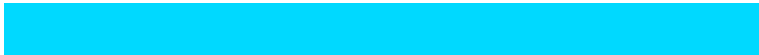
73.0626, 57.5090, 137.7185

Square

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



33.8007, 57.5090, 40.7714



46.3771, 57.5090, 161.0506



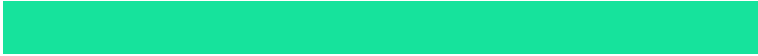
82.7084, 57.5090, 91.1360



63.8760, 57.5090, 15.6491

Rectangle

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



33.8007, 57.5090, 40.7714



35.2551, 57.5090, 107.6252



82.7084, 57.5090, 91.1360



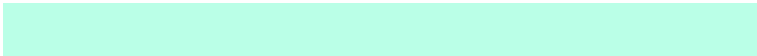
80.1316, 57.5090, 32.3181

Sweetspot

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



33.8022, 57.5113, 40.7727



70.4915, 87.7561, 88.9377



32.2066, 57.3652, 10.1349



14.5581, 18.5206, 18.5393



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.



33.8022, 57.5113, 40.7727



42.7052, 74.2981, 48.4928



33.9944, 45.3121, 79.6301



14.5843, 16.2471, 17.3415



19.2118, 33.3168, 22.1474



1.4631, 2.4793, 1.8650

Inverse Universe

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



33.9434, 17.6965, 11.9863



43.0149, 21.9700, 11.2764



33.0870, 18.9141, 2.6667



14.5820, 14.4500, 15.9994



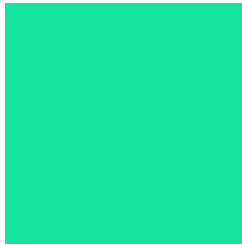
19.3398, 9.8701, 5.4183



1.4717, 0.7464, 0.6245

Previews

White Background



This preview shows how the XYZ color 33.8007, 57.5090, 40.7714 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 33.8007, 57.5090, 40.7714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

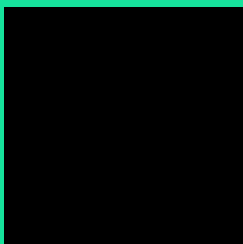
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

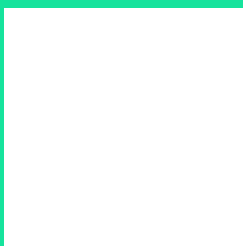
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8007, 57.5090, 40.7714

Background



This preview shows how black text looks on a background with the XYZ color 33.8007, 57.5090, 40.7714.



This preview shows how white text looks on a background with the XYZ color 33.8007, 57.5090,

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

33.8007, 57.5090, 40.7714

Protanopia

52.5926, 56.5175, 34.1236

Deuteranopia

57.4274, 56.1653, 42.9362



Tritanopia

43.0327, 57.2861, 87.3865

Trichromacy



Original Color

33.8007, 57.5090, 40.7714



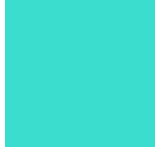
Protanomaly

39.6474, 53.6683, 36.2864



Deuteranomaly

41.1154, 52.1551, 41.6181



Tritanomaly

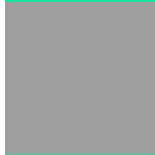
38.7420, 57.0687, 67.3660

Monochromacy



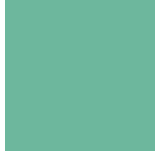
Original Color

33.8007, 57.5090, 40.7714



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.3260, 39.5525, 37.9870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8007, 57.5090, 40.7714 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(22, 227, 156)` looks like.

```
.text, #text, p{  
    color:rgb(22, 227, 156)  
}
```

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(22, 227, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 227, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.8007, 57.5090, 40.7714 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(22, 227, 156) }
```


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

```
.border{ border-color:rgb(22, 227, 156) }
```

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

Here you see how a box with a 4 pixel rgb(22, 227, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 227, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 227, 156);  
box-shadow:4px 4px 4px 4px rgb(22, 227,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8007, 57.5090, 40.7714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 227, 156) }
```

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

```
.background{ background-color: rgb(22, 227,  
156) }
```

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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