

Converting Colors

XYZ(33.6185, 57.4490, 39.6979)

Have a look what the booklet for
XYZ(33.6185, 57.4490, 39.6979)
contains.

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Color

**XYZ(33.6552, 57.4534,
39.8877)**

Conversions

Conversions Part 1

Format	Color
Hex	17E39A
RGB	23, 227, 154
RGB Percent	9%, 89%, 60%
CMY	0.9097, 0.1098, 0.3961
CMYK	0.90, 0.00, 0.32, 0.11
HSL	159°, 82%, 49%
HSV	159°, 90%, 89%
XYZ	33.6552, 57.4534, 39.8877
YIQ	157.6820, -98.1510, -65.9510

Conversions

Conversions Part 2

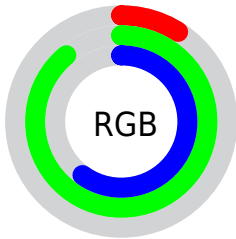
Format	Color
R_{YB}	23, 147, 227
Decimal	1565594
CIE _{Lab}	80.43, -61.93, 23.16
CIE _{LCh}	80, 66.120, 159.496
Yxy	57.4534, 0.2569, 0.4386
Android (android.graphics.Color)	4279755674 (0xFF17E39A)
YUV	157.6820, -1.8152, -118.1161
Hunter-Lab	75.7980, -53.3905, 21.8580

Details

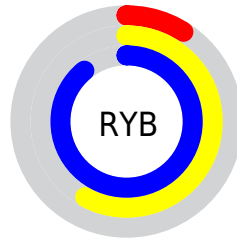
The XYZ color **33.6552, 57.4534, 39.8877** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **34.0985, 17.7897, 12.7069**, and the grayscale version is **32.3980, 34.0852, 37.1188**.

A 20% lighter version of the original color is **53.9507, 79.5682, 72.8363**, and **16.7730, 29.7088, 17.4207** is the 20% darker color. If you saturate the color by 10%, you get **32.6529, 57.0137, 36.4284**, and if you desaturate by 10%, it is **35.1168, 58.1276, 43.6101**.

Distribution



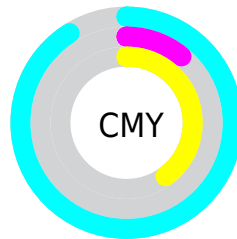
- Red (9%)
- Green (89%)
- Blue (60%)



- Red (9%)
- Yellow (58%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)



- Cyan (91%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6552, 57.4534, 39.8877 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 33.6552, 57.4534, 39.8877 by changing the saturation by 10% instead.

33.6552, 57.4534,
39.8877

33.6552, 57.4534,
39.8877

310.2049,
415.1461, 361.1880

22.7905, 41.3694,
27.1379

64.7450, 101.1265,
76.2277

14.5587, 28.6078,
17.4434

85.7007, 129.4843,
100.6549

8.5946, 18.7843,
10.3859

110.7509,
162.7021, 129.8117

4.5327, 11.5146,
5.5466

140.2608,
201.1645, 164.1167

2.0077, 6.4141,
2.5071

174.5958,
245.2556, 203.9882

0.6383, 3.0984,
0.8439

214.1212,

0.0000, 1.1833,

295.3600, 249.8449

0.0000

259.2025,
351.8620, 302.1053

■ 0.0000, 0.0480,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.6552, 57.4534,
39.8877

■ 33.6552, 57.4534,
39.8877

■ 32.6529, 57.0137,
36.4284

■ 35.1168, 58.1276,
43.6101

■ 32.6402, 57.0082,
36.3821

■ 37.1625, 59.0959,
47.6023

■ 39.8694, 60.3996,
51.8734

■ 43.3016, 62.0717,
56.4309

■ 47.5152, 64.1408,
61.2816

■ 52.5605, 66.6330,
66.4320

■ 58.4835, 69.5718,
71.8881

■ 65.3270, 72.9792,
77.6560

■ 73.1305, 76.8754,
83.7413

Harmonies

Analogous

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



39.6535, 57.4534, 20.8310



33.6552, 57.4534, 39.8877



32.7269, 57.4534, 75.6955

Triad

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



33.6552, 57.4534, 39.8877



59.0209, 57.4534, 168.8136



77.2865, 57.4534, 26.0827

Complementary

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



33.6552, 57.4534, 39.8877



34.0985, 17.7897, 12.7069

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.



84.5536, 57.4534, 51.0342



33.6552, 57.4534, 39.8877



72.9158, 57.4534, 139.6298

Square

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



33.6552, 57.4534, 39.8877



45.9790, 57.4534, 161.7329



82.8337, 57.4534, 92.5091



64.2537, 57.4534, 15.4578

Rectangle

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



33.6552, 57.4534, 39.8877



34.9213, 57.4534, 106.9682



82.8337, 57.4534, 92.5091



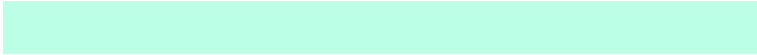
80.5750, 57.4534, 32.5359

Sweetspot

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



33.6567, 57.4557, 39.8890



70.3798, 87.7114, 88.3493



32.6415, 57.5883, 10.2067



14.5316, 18.5100, 18.3999



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.



33.6567, 57.4557, 39.8890



42.4377, 74.1911, 47.0841



34.8285, 46.9470, 79.9017



14.5770, 16.2442, 17.3034



19.0928, 33.2692, 21.5206



1.4548, 2.4761, 1.8217

Inverse Universe

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



34.0985, 17.7897, 12.7069



43.1394, 22.0198, 11.9323



32.9843, 18.6929, 2.6811



14.5890, 14.4528, 16.0361



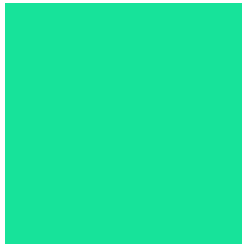
19.3970, 9.8930, 5.7198



1.4765, 0.7483, 0.6497

Previews

White Background



This preview shows how the XYZ color 33.6552, 57.4534, 39.8877 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 33.6552, 57.4534, 39.8877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

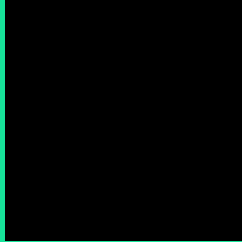
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

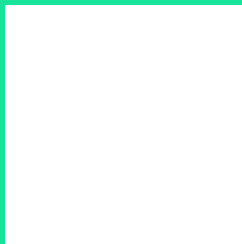
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6552, 57.4534, 39.8877

Background



This preview shows how black text looks on a background with the XYZ color 33.6552, 57.4534, 39.8877.



This preview shows how white text looks on a background with the XYZ color 33.6552, 57.4534,

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

33.6552, 57.4534, 39.8877

Protanopia

52.4424, 56.4574, 33.3327

Deuteranopia

57.2481, 56.0936, 41.9923



Tritanopia

43.1165, 57.3293, 87.3905

Trichromacy



Original Color

33.6552, 57.4534, 39.8877



Protanomaly

39.4904, 53.6055, 35.4597



Deuteranomaly

40.9404, 52.0851, 40.6965



Tritanomaly

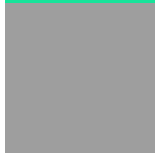
38.8007, 57.0989, 67.3687

Monochromacy



Original Color

33.6552, 57.4534, 39.8877



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 33.6552, 57.4534, 39.8877 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(23, 227, 154)` looks like.

```
.text, #text, p{  
    color:rgb(23, 227, 154)  
}
```

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(23, 227, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 227, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.6552, 57.4534, 39.8877 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(23, 227, 154) }
```


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

```
.border{ border-color:rgb(23, 227, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 227, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 227, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 227, 154);  
box-shadow:4px 4px 4px 4px rgb(23, 227,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6552, 57.4534, 39.8877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 227, 154) }
```

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

```
.background{ background-color: rgb(23, 227,  
154) }
```

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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