

Converting Colors

XYZ(34.4427, 59.6769, 39.8692)

Have a look what the booklet for
XYZ(34.4427, 59.6769, 39.8692)
contains.

XYZ(34.3257, 59.4517, 39.8032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.3257, 59.4517,
39.8032)**

Conversions

Conversions Part 1

Format	Color
Hex	00E799
RGB	0, 231, 153
RGB Percent	0%, 91%, 60%
CMY	0.9999, 0.0941, 0.4000
CMYK	1.00, 0.00, 0.34, 0.09
HSL	160°, 100%, 45%
HSV	160°, 100%, 91%
XYZ	34.3257, 59.4517, 39.8032
YIQ	153.0390, -112.6380, -73.2300

Conversions

Conversions Part 2

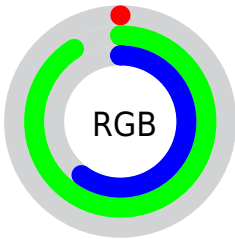
Format	Color
RYB	0, 139, 231
Decimal	59289
CIELab	81.54, -64.36, 25.17
CIELCh	82, 69.107, 158.644
Yxy	59.4517, 0.2570, 0.4451
Android (android.graphics.Color)	4278249369 (0xFF00E799)
YUV	153.0390, -0.0192, -134.2152
Hunter-Lab	77.1049, -55.4687, 23.3667

Details

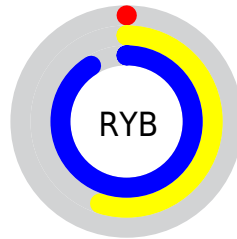
The XYZ color **34.3257, 59.4517, 39.8032** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **34.3327, 17.5406, 8.7893**, and the grayscale version is **30.3348, 31.9145, 34.7549**.

A 20% lighter version of the original color is **53.4518, 79.3253, 72.1686**, and **17.4850, 31.2117, 17.4148** is the 20% darker color. If you saturate the color by 10%, you get **34.3261, 59.4536, 39.8005**, and if you desaturate by 10%, it is **35.3489, 59.9038, 43.3269**.

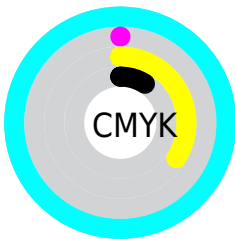
Distribution



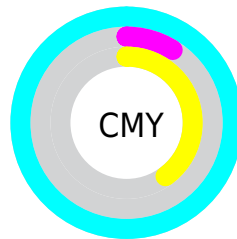
- Red (0%)
- Green (91%)
- Blue (60%)



- Red (0%)
- Yellow (55%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3257, 59.4517, 39.8032 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 34.3257, 59.4517, 39.8032 by changing the saturation by 10% instead.


 34.3257, 59.4517,
39.8032


 34.3257, 59.4517,
39.8032


313.1423,
422.5738, 360.8208


 23.3080, 42.9768,
27.0725


 65.7808, 104.0339,
76.0975


 14.9430, 29.8669,
17.3948


 86.9489, 132.9100,
100.4983


 8.8655, 19.7376,
10.3514

 112.2311,
166.6886, 129.6261

 4.7099, 12.2045,
5.5239

 141.9929,
205.7542, 163.8996

 2.1111, 6.8831,
2.4938

 176.5995,
250.4911, 203.7373

 0.6952, 3.3891,
0.8369

216.4164,

 0.0000, 1.3381,

301.2838, 249.5577

0.0000

261.8089,
358.5165, 301.7793

■ 0.0000, 0.1704,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3257, 59.4517,
39.8032

■ 34.3257, 59.4517,
39.8032

■ 34.3261, 59.4536,
39.8005

■ 35.3489, 59.9038,
43.3269

■ 36.8383, 60.5898,
47.0952

■ 38.9312, 61.5818,
51.1196

■ 41.7070, 62.9207,
55.4078

■ 45.2323, 64.6408,
59.9666

■ 49.5657, 66.7722,
64.8024

■ 54.7597, 69.3419,
69.9213

■ 60.8623, 72.3746,
75.3290

■ 67.9178, 75.8929,
81.0311

Harmonies

Analogous

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



40.8312, 59.4517, 20.2681



34.3257, 59.4517, 39.8032



33.1930, 59.4517, 77.4820

Triad

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



34.3257, 59.4517, 39.8032



60.7991, 59.4517, 180.0231



81.1845, 59.4517, 26.5926

Complementary

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



34.3257, 59.4517, 39.8032



34.3327, 17.5406, 8.7893

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.



88.7747, 59.4517, 53.4649



34.3257, 59.4517, 39.8032



75.7552, 59.4517, 149.2081

Square

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



34.3257, 59.4517, 39.8032



46.9549, 59.4517, 171.1293



86.6341, 59.4517, 98.3605



67.2741, 59.4517, 15.2257

Rectangle

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



34.3257, 59.4517, 39.8032



35.4105, 59.4517, 111.0173



86.6341, 59.4517, 98.3605



84.6592, 59.4517, 33.5193

Sweetspot

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



34.3273, 59.4541, 39.8046



68.4011, 86.7106, 87.3818



31.9592, 58.8975, 9.6847



14.0237, 18.2540, 18.1133



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.



34.3273, 59.4541, 39.8046



42.9107, 74.3803, 49.5751



34.2453, 45.4111, 82.5643



14.5897, 16.2493, 17.3703



19.3032, 33.3534, 22.6286



1.4694, 2.4819, 1.8982

Inverse Universe

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



34.3327, 17.5406, 8.7893



42.9243, 21.9337, 10.7995



33.5478, 18.1726, 1.7403



14.5768, 14.4479, 15.9718



19.2981, 9.8534, 5.1987



1.4682, 0.7450, 0.6059

Previews

White Background



This preview shows how the XYZ color 34.3257, 59.4517, 39.8032 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 34.3257, 59.4517, 39.8032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

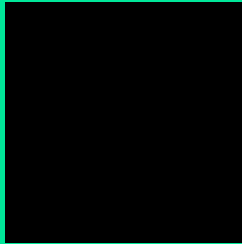
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3257, 59.4517, 39.8032

Background



This preview shows how black text looks on a background with the XYZ color 34.3257, 59.4517, 39.8032.



This preview shows how white text looks on a background with the XYZ color 34.3257, 59.4517,

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

34.3257, 59.4517, 39.8032

Protanopia

54.2355, 58.4185, 33.2283

Deuteranopia

59.5232, 58.2410, 42.2868



Tritanopia

44.3341, 59.0649, 89.9529

Trichromacy



Original Color

34.3257, 59.4517, 39.8032



Protanomaly

39.1356, 54.5346, 35.2516



Deuteranomaly

40.9653, 53.5184, 40.9719



Tritanomaly

39.2834, 58.5201, 68.2565

Monochromacy



Original Color

34.3257, 59.4517, 39.8032



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.2034, 37.8890, 36.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3257, 59.4517, 39.8032 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(0, 231, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 153)  
}
```

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(0, 231, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 153) }
```

Border

The CSS property to change the border of an element to XYZ 34.3257, 59.4517, 39.8032 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(0, 231, 153) }
```


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

```
.border{ border-color:rgb(0, 231, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3257, 59.4517, 39.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 153) }
```

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

```
.background{ background-color: rgb(0, 231,  
153) }
```

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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