

Converting Colors

XYZ(36.9446, 58.4711, 49.6141)

Have a look what the booklet for
XYZ(36.9446, 58.4711, 49.6141)
contains.

XYZ(36.9507, 58.5387, 49.3960)	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(36.9507, 58.5387,
49.3960)**

Conversions

Conversions Part 1

Format	Color
Hex	40E2AE
RGB	64, 226, 174
RGB Percent	25%, 89%, 68%
CMY	0.7490, 0.1137, 0.3176
CMYK	0.72, 0.00, 0.23, 0.11
HSL	161°, 74%, 57%
HSV	161°, 72%, 89%
XYZ	36.9507, 58.5387, 49.3960
YIQ	171.6340, -79.8600, -50.5160

Conversions

Conversions Part 2

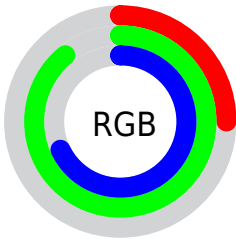
Format	Color
RYB	64, 160, 226
Decimal	4252334
CIELab	81.04, -53.34, 13.63
CIELCh	81, 55.058, 165.668
Yxy	58.5387, 0.2550, 0.4040
Android (android.graphics.Color)	4282442414 (0xFF40E2AE)
YUV	171.6340, 1.1664, -94.3950
Hunter-Lab	76.5106, -47.6872, 15.2792




Details

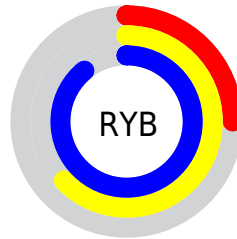
The XYZ color **36.9507, 58.5387, 49.3960** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **36.3518, 21.0980, 18.6818**, and the grayscale version is **39.0526, 41.0864, 44.7431**.




A 20% lighter version of the original color is **59.5586, 82.1387, 87.5782**, and **17.8876, 30.1546, 23.2900** is the 20% darker color. If you saturate the color by 10%, you get **35.0798, 57.6552, 45.7165**, and if you desaturate by 10%, it is **39.4581, 59.7488, 53.3073**.

Distribution







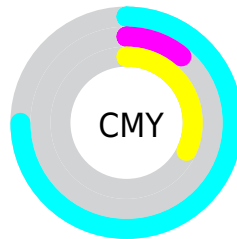
-  Red (25%)
-  Green (89%)
-  Blue (68%)






-  Red (25%)
-  Yellow (63%)
-  Blue (89%)



-  Cyan (72%)
-  Magenta (0%)
-  Yellow (23%)
-  Black (11%)




-  Cyan (75%)
-  Magenta (11%)
-  Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9507, 58.5387, 49.3960 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 36.9507, 58.5387, 49.3960 by changing the saturation by 10% instead.


 36.9507, 58.5387,
49.3960


 36.9507, 58.5387,
49.3960


324.4563,
419.1903, 400.9664


 25.3428, 42.2419,
34.5659


 69.8113, 102.7069,
90.6664


 16.4627, 29.2907,
23.0478

 91.7947, 131.3471,
117.9438

 9.9451, 19.3009,
14.4232


 117.9673,
164.8705, 150.2073

 5.4246, 11.8879,
8.2735

 148.6945,
203.6616, 187.8755

 2.5358, 6.6674,
4.1802

184.3417,
248.1047, 231.3670

 0.9133, 3.2550,
1.7247

225.2741,

 0.0000, 1.2662,

298.5843, 281.1003

0.3776

271.8572,
355.4847, 337.4939

■ 0.0000, 0.1148,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9507, 58.5387,
49.3960

■ 36.9507, 58.5387,
49.3960

■ 35.0798, 57.6552,
45.7165

■ 39.4581, 59.7488,
53.3073


■ 33.7630, 57.0516,
42.2579


■ 42.6619, 61.3120,
57.4525


■ 32.9849, 56.7097,
39.5424

■ 46.6202, 63.2596,
61.8384


■ 51.3835, 65.6176,
66.4704

 56.9979, 68.4097,
71.3534

 63.5059, 71.6577,
76.4924

 70.9469, 75.3819,
81.8917

 79.3582, 79.6014,
87.5559

 84.0610, 81.9042,
93.2687

Harmonies

Analogous

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



41.3561, 58.5387, 29.1021



36.9507, 58.5387, 49.3960



37.0517, 58.5387, 82.2873

Triad

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



36.9507, 58.5387, 49.3960



61.7864, 58.5387, 145.5524



72.4495, 58.5387, 28.4916

Complementary

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



36.9507, 58.5387, 49.3960



36.3518, 21.0980, 18.6818

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.



79.5896, 58.5387, 48.2106



36.9507, 58.5387, 49.3960



72.8821, 58.5387, 118.6008

Square

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



36.9507, 58.5387, 49.3960



50.3755, 58.5387, 146.2116



79.7579, 58.5387, 80.6193



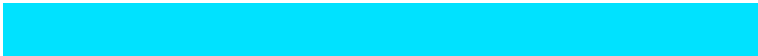
61.2576, 58.5387, 20.1440

Rectangle

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



36.9507, 58.5387, 49.3960



39.6298, 58.5387, 107.9206



79.7579, 58.5387, 80.6193



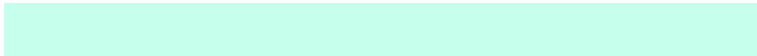
75.4667, 58.5387, 33.6376

Sweetspot

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



36.9523, 58.5410, 49.3974



74.5715, 89.7624, 93.5100



35.5949, 58.6169, 14.2895



15.5088, 18.9875, 19.6337



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.



36.9523, 58.5410, 49.3974



45.1923, 75.3758, 57.8472



36.2671, 47.4301, 79.1977



13.9196, 15.4936, 16.6118



18.8736, 32.3743, 22.8551



1.3485, 2.2601, 1.7965

Inverse Universe

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



36.3518, 21.0980, 18.6818



44.4683, 23.5463, 15.8630



36.0324, 24.0227, 7.5891



13.8877, 13.7727, 15.1786



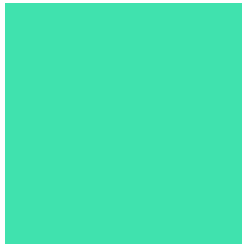
18.6188, 9.5145, 4.6585



1.3305, 0.6755, 0.5331

Previews

White Background



This preview shows how the XYZ color 36.9507, 58.5387, 49.3960 looks on a white background.

Color Contrast Check

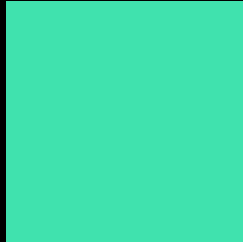
Large Text (above 18pt) WCAG AA × Fail

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 36.9507, 58.5387, 49.3960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

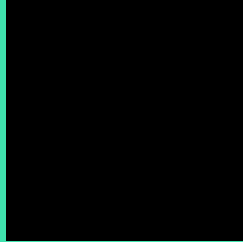
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

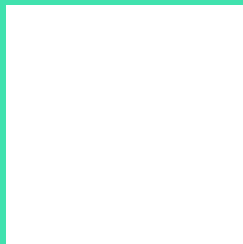
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9507, 58.5387, 49.3960

Background



This preview shows how black text looks on a background with the XYZ color 36.9507, 58.5387, 49.3960.

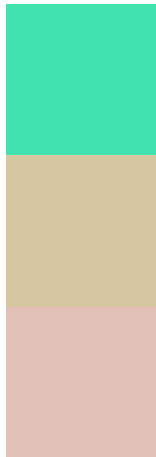


This preview shows how white text looks on a background with the XYZ color 36.9507, 58.5387,

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

36.9507, 58.5387, 49.3960

Protanopia

54.0078, 57.4171, 41.9543

Deuteranopia

58.2415, 57.0430, 51.6568



Tritanopia

44.5810, 58.4681, 87.5331

Trichromacy



Original Color

36.9507, 58.5387, 49.3960



Protanomaly

43.7839, 55.6232, 44.5051



Deuteranomaly

45.3546, 54.5071, 50.2500



Tritanomaly

41.3464, 58.3108, 72.0267

Monochromacy



Original Color

36.9507, 58.5387, 49.3960



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.0653, 45.7029, 46.4559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9507, 58.5387, 49.3960 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(64, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(64, 226, 174)  
}
```

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(64, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 226, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.9507, 58.5387, 49.3960 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(64, 226, 174) }
```


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

```
.border{ border-color:rgb(64, 226, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 226, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 226, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 226, 174);  
box-shadow:4px 4px 4px 4px rgb(64, 226,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9507, 58.5387, 49.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 226, 174) }
```

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

```
.background{ background-color: rgb(64, 226,  
174) }
```

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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