

Converting Colors

XYZ(39.4606, 59.9890, 59.8972)

Have a look what the booklet for
XYZ(39.4606, 59.9890, 59.8972)
contains.

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Color

**XYZ(39.4786, 60.0174,
59.9558)**

Conversions

Conversions Part 1

Format	Color
Hex	44E3C1
RGB	68, 227, 193
RGB Percent	27%, 89%, 76%
CMY	0.7333, 0.1098, 0.2431
CMYK	0.70, 0.00, 0.15, 0.11
HSL	167°, 74%, 58%
HSV	167°, 70%, 89%
XYZ	39.4786, 60.0174, 59.9558
YIQ	175.5830, -83.8500, -44.2820

Conversions

Conversions Part 2

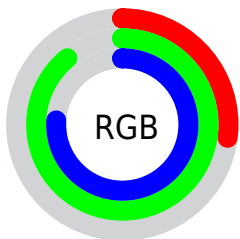
Format	Color
RYB	68, 157, 227
Decimal	4514753
CIELab	81.85, -48.70, 4.77
CIElCh	82, 48.931, 174.400
Yxy	60.0174, 0.2476, 0.3764
Android (android.graphics.Color)	4282704833 (0xFF44E3C1)
YUV	175.5830, 8.5866, -94.3503
Hunter-Lab	77.4709, -44.6118, 8.3443

Details

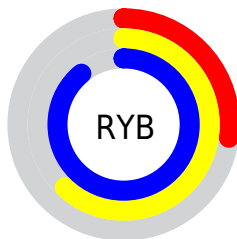
The XYZ color **39.4786, 60.0174, 59.9558** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **36.1460, 21.4260, 14.8031**, and the grayscale version is **41.0396, 43.1769, 47.0196**.

A 20% lighter version of the original color is **63.0122, 83.5938, 102.4367**, and **19.2965, 31.0193, 29.7812** is the 20% darker color. If you saturate the color by 10%, you get **37.6588, 59.1423, 57.0909**, and if you desaturate by 10%, it is **41.9321, 61.2201, 62.9458**.

Distribution



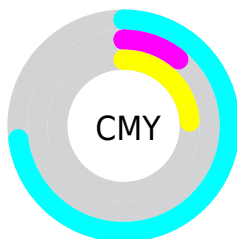
- Red (27%)
- Green (89%)
- Blue (76%)



- Red (27%)
- Yellow (62%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4786, 60.0174, 59.9558 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 39.4786, 60.0174, 59.9558 by changing the saturation by 10% instead.


 39.4786, 60.0174,
59.9558


 39.4786, 60.0174,
59.9558

335.0933,
424.6619, 442.2349

 27.3146, 43.4327,
42.9579


 73.6583, 104.8549,
106.3083


 17.9475, 30.2247,
29.5210


 96.4047, 133.8765,
136.5000

 11.0117, 20.0092,
19.2263


 123.4094,
167.8124, 171.9268

 6.1421, 12.4018,
11.6555

 155.0376,
207.0472, 213.0071

 2.9732, 7.0179,
6.3898

191.6548,
251.9651, 260.1595

 1.1396, 3.4733,
3.0110

233.6262,

 0.0578, 1.3835,

302.9506, 313.8026

1.1002

281.3172,
360.3881, 374.3549

■ 0.0000, 0.2045,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4786, 60.0174,
59.9558

■ 39.4786, 60.0174,
59.9558

■ 37.6588, 59.1423,
57.0909

■ 41.9321, 61.2201,
62.9458


■ 36.3922, 58.5489,
54.3426


■ 45.0777, 62.7760,
66.0605


■ 35.5521, 58.1730,
51.7159


■ 48.9727, 64.7162,
69.3048

■ 53.6669, 67.0662,
72.6820

 59.2057, 69.8496,
76.1948

 65.6313, 73.0880,
79.8462

 72.9829, 76.8015,
83.6387

 81.2971, 81.0091,
87.5749

 83.9513, 82.2967,
91.3456

Harmonies

Analogous

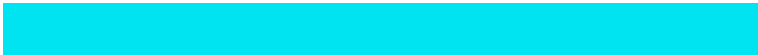
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.3759, 60.0174, 37.5224



39.4786, 60.0174, 59.9558



40.8066, 60.0174, 91.7660

Triad

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



39.4786, 60.0174, 59.9558



65.6463, 60.0174, 132.0144



69.4006, 60.0174, 29.1606

Complementary

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



39.4786, 60.0174, 59.9558



36.1460, 21.4260, 14.8031

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.



77.1037, 60.0174, 44.5607



39.4786, 60.0174, 59.9558



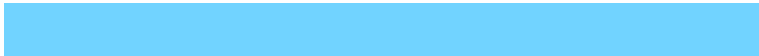
74.7594, 60.0174, 104.3526

Square

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



39.4786, 60.0174, 59.9558



55.1292, 60.0174, 139.8469



79.1740, 60.0174, 71.0558



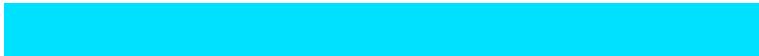
59.0041, 60.0174, 23.5216

Rectangle

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



39.4786, 60.0174, 59.9558



44.0026, 60.0174, 113.7532



79.1740, 60.0174, 71.0558



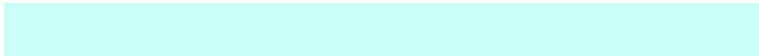
72.4386, 60.0174, 33.0917

Sweetspot

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



39.4803, 60.0197, 59.9572



76.2291, 90.5042, 98.6800



34.0450, 58.2092, 14.9110



15.8704, 19.1474, 20.8469



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.



39.4803, 60.0197, 59.9572



48.1990, 76.6003, 72.6917



32.9686, 40.2127, 78.7000



14.6685, 16.2808, 17.7852



20.7779, 33.9432, 30.3942



1.5684, 2.5215, 2.4199

Inverse Universe

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



36.1460, 21.4260, 14.8031



43.7303, 23.5138, 11.1667



38.6347, 28.5716, 8.9485



14.5025, 14.4182, 15.5805



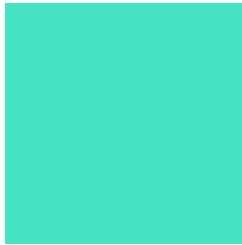
18.8277, 9.6653, 2.7216



1.4251, 0.7278, 0.3791

Previews

White Background



This preview shows how the XYZ color 39.4786, 60.0174, 59.9558 looks on a white background.

Color Contrast Check

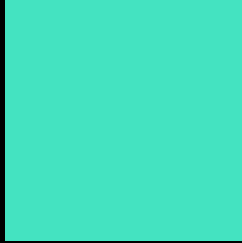
Large Text (above 18pt) WCAG AA × Fail

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 39.4786, 60.0174, 59.9558 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

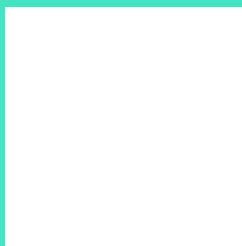
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4786, 60.0174, 59.9558

Background



This preview shows how black text looks on a background with the XYZ color 39.4786, 60.0174, 59.9558.

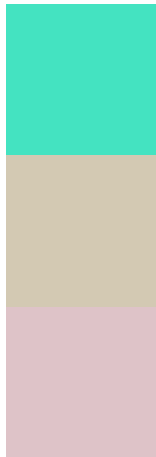


This preview shows how white text looks on a background with the XYZ color 39.4786, 60.0174,

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

39.4786, 60.0174, 59.9558

Protanopia

55.8873, 58.8768, 51.0666

Deuteranopia

60.0646, 58.7299, 62.8138



Tritanopia

45.5055, 60.0596, 90.0832

Trichromacy



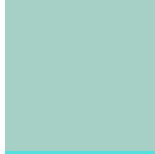
Original Color

39.4786, 60.0174, 59.9558



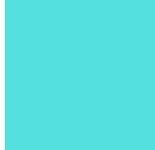
Protanomaly

45.9964, 56.9248, 53.9107



Deuteranomaly

48.1168, 56.7639, 61.2438



Tritanomaly

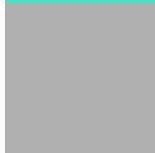
43.0522, 59.8431, 78.3890

Monochromacy



Original Color

39.4786, 60.0174, 59.9558



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.2751, 47.7260, 51.4507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4786, 60.0174, 59.9558 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(68, 227, 193)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 193)  
}
```

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(68, 227, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 193) }
```

Border

The CSS property to change the border of an element to XYZ 39.4786, 60.0174, 59.9558 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(68, 227, 193) }
```


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

```
.border{ border-color:rgb(68, 227, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 227, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 193);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4786, 60.0174, 59.9558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 193) }
```

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

```
.background{ background-color: rgb(68, 227,  
193) }
```

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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