

Converting Colors

XYZ(37.6912, 59.1851, 55.8563)

Have a look what the booklet for
XYZ(37.6912, 59.1851, 55.8563)
contains.

XYZ(37.6973, 59.1871, 55.8918)	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(37.6973, 59.1871,
55.8918)**

Conversions

Conversions Part 1

Format	Color
Hex	33E3BA
RGB	51, 227, 186
RGB Percent	20%, 89%, 73%
CMY	0.8000, 0.1098, 0.2706
CMYK	0.78, 0.00, 0.18, 0.11
HSL	166°, 76%, 55%
HSV	166°, 78%, 89%
XYZ	37.6973, 59.1871, 55.8918
YIQ	169.7020, -91.7350, -50.0630

Conversions

Conversions Part 2

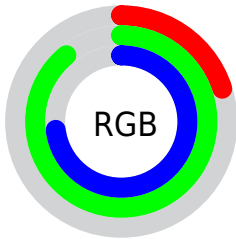
Format	Color
RYB	51, 151, 227
Decimal	3400634
CIELab	81.39, -52.44, 7.78
CIElCh	81, 53.016, 171.557
Yxy	59.1871, 0.2467, 0.3874
Android (android.graphics.Color)	4281590714 (0xFF33E3BA)
YUV	169.7020, 8.0349, -104.1017
Hunter-Lab	76.9332, -47.1679, 10.7791




Details

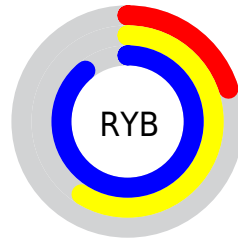
The XYZ color **37.6973, 59.1871, 55.8918** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed spring green. A complement of this color would be **34.7963, 19.4730, 12.0528**, and the grayscale version is **38.0564, 40.0383, 43.6018**.




A 20% lighter version of the original color is **60.2445, 82.2908, 96.7129**, and **18.6084, 30.4429, 27.0856** is the 20% darker color. If you saturate the color by 10%, you get **36.2686, 58.5158, 52.9451**, and if you desaturate by 10%, it is **39.7079, 60.1589, 58.9770**.

Distribution







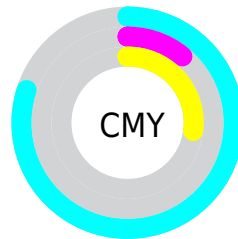
-  Red (20%)
-  Green (89%)
-  Blue (73%)






-  Red (20%)
-  Yellow (59%)
-  Blue (89%)



-  Cyan (78%)
-  Magenta (0%)
-  Yellow (18%)
-  Black (11%)




-  Cyan (80%)
-  Magenta (11%)
-  Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6973, 59.1871, 55.8918 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 37.6973, 59.1871, 55.8918 by changing the saturation by 10% instead.


 37.6973, 59.1871,
55.8918


 37.6973, 59.1871,
55.8918


327.6230,
421.5949, 426.6605


 25.9240, 42.7638,
39.7128


 70.9508, 103.6495,
100.3306


 16.8992, 29.6998,
27.0026


 93.1618, 132.4574,
129.4274


 10.2575, 19.6108,
17.3427

 119.5826,
166.1623, 163.6672

 5.6336, 12.1125,
10.3146

 150.5787,
205.1485, 203.4686

 2.6621, 6.8203,
5.4997

 186.5155,
249.8005, 249.2501

 0.9777, 3.3500,
2.4795

227.7582,

 0.0000, 1.3171,

300.5026, 301.4302

0.8293

274.6723,
357.6393, 360.4275

■ 0.0000, 0.1544,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6973, 59.1871,
55.8918

■ 37.6973, 59.1871,
55.8918

■ 36.2686, 58.5158,
52.9451

■ 39.7079, 60.1589,
58.9770


■ 35.3199, 58.0881,
50.1271


■ 42.3672, 61.4612,
62.2010


■ 35.1215, 58.0006,
49.4487


■ 45.7382, 63.1279,
65.5692


■ 49.8748, 65.1869,
69.0853

 54.8258, 67.6632,
72.7526

 60.6357, 70.5797,
76.5743

 67.3459, 73.9579,
80.5533

 74.9951, 77.8174,
84.6926

 83.5038, 82.1176,
88.9894

Harmonies

Analogous

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



41.1592, 59.1871, 33.4565



37.6973, 59.1871, 55.8918



38.6703, 59.1871, 89.5746

Triad

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



37.6973, 59.1871, 55.8918



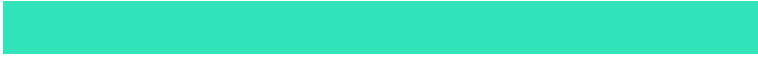
64.4556, 59.1871, 139.5154



70.5743, 59.1871, 27.4844

Complementary

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



37.6973, 59.1871, 55.8918



34.7963, 19.4730, 12.0528

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.



78.4972, 59.1871, 44.5182



37.6973, 59.1871, 55.8918



74.6542, 59.1871, 110.3315

Square

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



37.6973, 59.1871, 55.8918



53.1840, 59.1871, 145.6411



80.0810, 59.1871, 73.8284



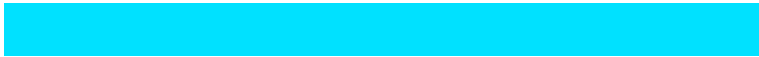
59.4432, 59.1871, 20.9599

Rectangle

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



37.6973, 59.1871, 55.8918



41.7667, 59.1871, 114.0086



80.0810, 59.1871, 73.8284



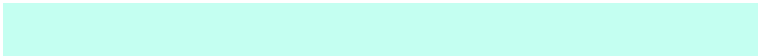
73.7587, 59.1871, 31.8416

Sweetspot

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



37.6989, 59.1894, 55.8932



74.5436, 89.6737, 96.8625



32.4890, 57.4584, 12.5115



15.3886, 18.9096, 20.3492



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.



37.6989, 59.1894, 55.8932



46.4028, 75.8056, 66.6770



31.5672, 38.9220, 78.5245



14.6563, 16.2759, 17.7207



20.5293, 33.8438, 29.0852



1.5520, 2.5149, 2.3334

Inverse Universe

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



34.7963, 19.4730, 12.0528



42.6598, 22.1701, 8.3515



36.6397, 25.2951, 6.0846



14.5139, 14.4227, 15.6405



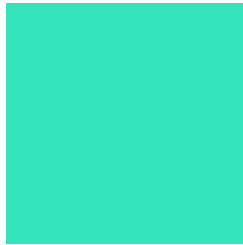
18.8856, 9.6884, 3.0265



1.4309, 0.7301, 0.4095

Previews

White Background



This preview shows how the XYZ color 37.6973, 59.1871, 55.8918 looks on a white background.

Color Contrast Check

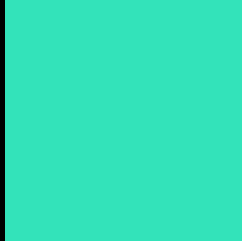
Large Text (above 18pt) WCAG AA × Fail

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 37.6973, 59.1871, 55.8918 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

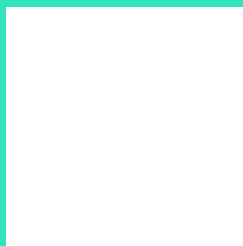
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6973, 59.1871, 55.8918

Background



This preview shows how black text looks on a background with the XYZ color 37.6973, 59.1871, 55.8918.

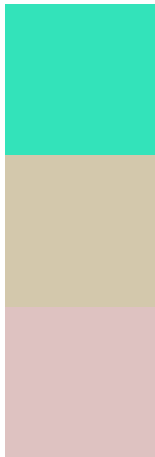


This preview shows how white text looks on a background with the XYZ color 37.6973, 59.1871, 55.8918.

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

37.6973, 59.1871, 55.8918

Protanopia

54.9646, 58.1360, 47.3541

Deuteranopia

59.0416, 57.9634, 58.5283



Tritanopia

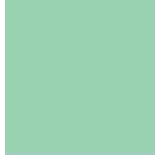
44.4192, 59.1088, 89.9569

Trichromacy



Original Color

37.6973, 59.1871, 55.8918



Protanomaly

44.1193, 56.0398, 50.0864



Deuteranomaly

45.8628, 55.3339, 56.9785



Tritanomaly

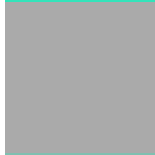
41.6996, 59.1919, 76.2452

Monochromacy



Original Color

37.6973, 59.1871, 55.8918



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.2197, 44.9082, 47.8862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6973, 59.1871, 55.8918 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(51, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(51, 227, 186)  
}
```

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(51, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 227, 186) }
```

Border

The CSS property to change the border of an element to XYZ 37.6973, 59.1871, 55.8918 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(51, 227, 186) }
```


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

```
.border{ border-color:rgb(51, 227, 186) }
```

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

Here you see how a box with a 4 pixel rgb(51, 227, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 227, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 227, 186);  
box-shadow:4px 4px 4px 4px rgb(51, 227,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6973, 59.1871, 55.8918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 227, 186) }
```

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

```
.background{ background-color: rgb(51, 227,  
186) }
```

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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