

Converting Colors

XYZ(39.6587, 62.6211, 58.9909)

Have a look what the booklet for
XYZ(39.6587, 62.6211, 58.9909)
contains.

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Color

**XYZ(39.6055, 62.5999,
58.7108)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2FE9BE |
| RGB | 47, 233, 190 |
| RGB Percent | 18%, 91%, 75% |
| CMY | 0.8156, 0.0863, 0.2549 |
| CMYK | 0.80, 0.00, 0.18, 0.09 |
| HSL | 166°, 81%, 55% |
| HSV | 166°, 80%, 91% |
| XYZ | 39.6055, 62.5999, 58.7108 |
| YIQ | 172.4840, -97.0530, -52.8050 |

Conversions

Conversions Part 2

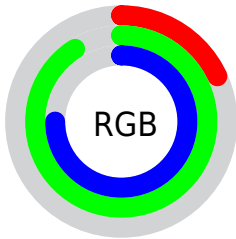
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 47, 152, 233 |
| Decimal | 3140030 |
| CIELab | 83.23, -54.26, 8.30 |
| CIELCh | 83, 54.895, 171.300 |
| Yxy | 62.5999, 0.2461, 0.3890 |
| Android (android.graphics.Color) | 4281330110 (0xFF2FE9BE) |
| YUV | 172.4840, 8.6354, -110.0495 |
| Hunter-Lab | 79.1201, -49.1076, 11.3881 |

Details

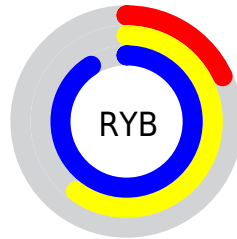
The XYZ color **39.6055, 62.5999, 58.7108** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **36.4684, 20.0966, 11.6326**, and the grayscale version is **39.4532, 41.5079, 45.2021**.

A 20% lighter version of the original color is **60.7067, 82.4589, 99.9054**, and **20.0407, 32.8568, 28.9527** is the 20% darker color. If you saturate the color by 10%, you get **38.2262, 61.9571, 55.6303**, and if you desaturate by 10%, it is **41.5827, 63.5514, 61.9357**.

Distribution



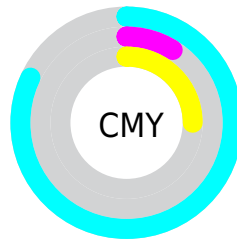
- Red (18%)
- Green (91%)
- Blue (75%)



- Red (18%)
- Yellow (60%)
- Blue (91%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)




- Cyan (82%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6055, 62.5999, 58.7108 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 39.6055, 62.5999, 58.7108 by changing the saturation by 10% instead.


 39.6055, 62.5999,
58.7108


 39.6055, 62.5999,
58.7108


335.6210,
434.1160, 437.5013

 27.4139, 45.5176,
41.9619


 73.8506, 108.5921,
104.4822


 18.0225, 31.8653,
28.7461


 96.6348, 138.2708,
134.3418


 11.0660, 21.2587,
18.6449


 123.6806,
172.9170, 169.4086

 6.1788, 13.3132,
11.2398

 155.3534,
212.9153, 210.1013

 2.9958, 7.6446,
6.1122

 192.0184,
258.6499, 256.8384

 1.1516, 3.8684,
2.8435

234.0412,

 0.0676, 1.6002,

310.5053, 310.0384

1.0153

281.7869,
368.8659, 370.1199

■ 0.0000, 0.3577,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6055, 62.5999,
58.7108

■ 39.6055, 62.5999,
58.7108

■ 38.2262, 61.9571,
55.6303

■ 41.5827, 63.5514,
61.9357


■ 37.3049, 61.5465,
52.6822


■ 44.2326, 64.8457,
65.3055

■ 37.2901, 61.5400,
52.6314


■ 47.6247, 66.5199,
68.8261


■ 51.8180, 68.6047,
72.5012

 56.8657, 71.1272,
76.3347

 62.8161, 74.1125,
80.3298

 69.7142, 77.5837,
84.4898

 77.6016, 81.5621,
88.8177

 85.8841, 85.7416,
93.2867

Harmonies

Analogous

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



43.3515, 62.5999, 34.8184



39.6055, 62.5999, 58.7108



40.6059, 62.5999, 94.8794

Triad

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



39.6055, 62.5999, 58.7108



68.2151, 62.5999, 149.3820



75.0029, 62.5999, 28.7085

Complementary

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



39.6055, 62.5999, 58.7108



36.4684, 20.0966, 11.6326

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.



83.4971, 62.5999, 46.9975



39.6055, 62.5999, 58.7108



79.2287, 62.5999, 117.9615

Square

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



39.6055, 62.5999, 58.7108



56.1011, 62.5999, 155.7590



85.1390, 62.5999, 78.5737



63.0321, 62.5999, 21.7012

Rectangle

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



39.6055, 62.5999, 58.7108



43.8949, 62.5999, 121.2804



85.1390, 62.5999, 78.5737



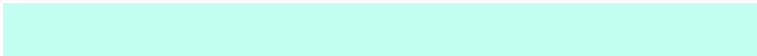
78.4225, 62.5999, 33.3809

Sweetspot

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



39.6072, 62.6023, 58.7123



73.8117, 89.3048, 96.4493



33.9096, 60.6795, 12.6156



15.2487, 18.8390, 20.2701



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.



39.6072, 62.6023, 58.7123



46.1272, 75.6816, 65.8464



32.8986, 40.5226, 83.1813



15.3600, 17.0588, 18.5788



21.2082, 34.9378, 30.1252



1.7015, 2.7579, 2.5560

Inverse Universe

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



36.4684, 20.0966, 11.6326



42.3578, 21.8843, 7.2701



38.3574, 26.0069, 5.6886



15.2081, 15.1111, 16.3814



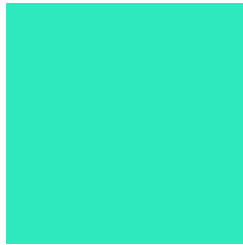
19.4832, 9.9960, 3.0798



1.5660, 0.7994, 0.4319

Previews

White Background



This preview shows how the XYZ color 39.6055, 62.5999, 58.7108 looks on a white background.

Color Contrast Check

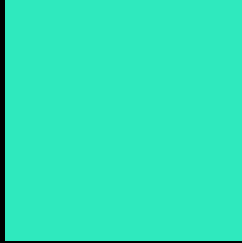
Large Text (above 18pt) WCAG AA × Fail

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 39.6055, 62.5999, 58.7108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

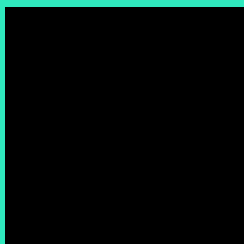
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

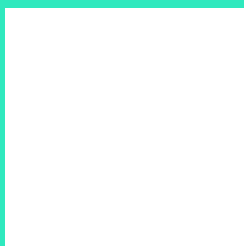
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6055, 62.5999, 58.7108

Background



This preview shows how black text looks on a background with the XYZ color 39.6055, 62.5999, 58.7108.

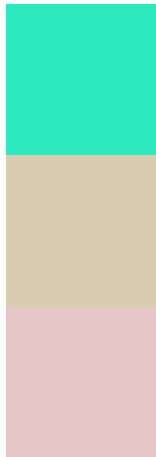


This preview shows how white text looks on a background with the XYZ color 39.6055, 62.5999,

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

39.6055, 62.5999, 58.7108

Protanopia

57.9867, 61.3962, 49.8687

Deuteranopia

62.6114, 61.4180, 61.9810



Tritanopia

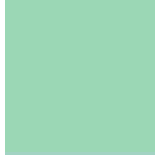
46.9188, 62.6737, 95.2123

Trichromacy



Original Color

39.6055, 62.5999, 58.7108



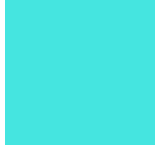
Protanomaly

46.1585, 58.9056, 52.6532



Deuteranomaly

48.0449, 58.2100, 60.3332



Tritanomaly

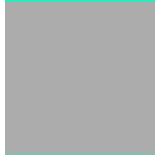
43.9281, 62.6857, 80.3053

Monochromacy



Original Color

39.6055, 62.5999, 58.7108



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.1809, 46.3503, 49.6874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6055, 62.5999, 58.7108 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(47, 233, 190)` looks like.

```
.text, #text, p{  
    color:rgb(47, 233, 190)  
}
```

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(47, 233, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 233, 190) }
```

Border

The CSS property to change the border of an element to XYZ 39.6055, 62.5999, 58.7108 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(47, 233, 190) }
```


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

```
.border{ border-color:rgb(47, 233, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 233, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 233, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 233, 190);  
box-shadow:4px 4px 4px 4px rgb(47, 233,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6055, 62.5999, 58.7108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 233, 190) }
```

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

```
.background{ background-color: rgb(47, 233,  
190) }
```

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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