

Converting Colors

XYZ(33.8507, 39.9703, 59.2081)

Have a look what the booklet for
XYZ(33.8507, 39.9703, 59.2081)
contains.

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Color

**XYZ(33.8592, 39.9111,
59.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	78B2C6
RGB	120, 178, 198
RGB Percent	47%, 70%, 78%
CMY	0.5294, 0.3019, 0.2235
CMYK	0.39, 0.10, 0.00, 0.22
HSL	195°, 41%, 62%
HSV	195°, 39%, 78%
XYZ	33.8592, 39.9111, 59.3451
YIQ	162.9380, -40.9880, -6.0760

Conversions

Conversions Part 2

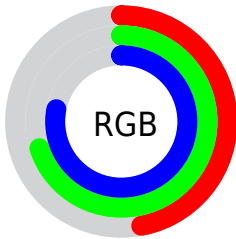
Format	Color
RYB	120, 153, 198
Decimal	7910086
CIELab	69.41, -13.68, -16.12
CIElCh	69, 21.144, 229.667
Yxy	39.9111, 0.2544, 0.2998
Android (android.graphics.Color)	4286100166 (0xFF78B2C6)
YUV	162.9380, 17.2856, -37.6566
Hunter-Lab	63.1752, -14.8884, -11.4728

Details

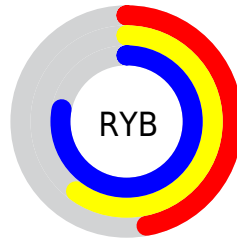
The XYZ color **33.8592, 39.9111, 59.3451** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.0577, 32.1187, 22.0696**, and the grayscale version is **34.7195, 36.5276, 39.7785**.

A 20% lighter version of the original color is **65.1520, 75.1796, 105.6850**, and **14.6144, 17.8391, 29.0586** is the 20% darker color. If you saturate the color by 10%, you get **30.4007, 36.6572, 58.9000**, and if you desaturate by 10%, it is **37.9253, 43.5356, 59.8311**.

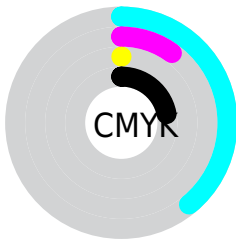
Distribution



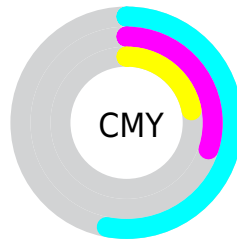
- Red (47%)
- Green (70%)
- Blue (78%)



- Red (47%)
- Yellow (60%)
- Blue (78%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8592, 39.9111, 59.3451 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 33.8592, 39.9111, 59.3451 by changing the saturation by 10% instead.

■ 33.8592, 39.9111,
59.3451

■ 33.8592, 39.9111,
59.3451

311.1007,
345.7487, 439.9170

■ 22.9478, 27.4692,
42.4691

■ 65.0604, 75.0281,
105.4131

■ 14.6755, 17.9259,
29.1405

■ 86.0809, 98.4721,
135.4423

■ 8.6768, 10.8968,
18.9406

■ 111.2019,
126.3522, 170.6929

■ 4.5864, 5.9975,
11.4510

140.7887,
159.0528, 211.5835

■ 2.0389, 2.8436,
6.2531

175.2066,
196.9584, 258.5327

■ 0.6557, 1.0506,
2.9283

214.8210,

■ 0.0000, 0.0000,

240.4533, 311.9590

1.0581

259.9973,
289.9220, 372.2809

■ 0.0000, 0.0000,
0.0000

■ 33.8592, 39.9111,
59.3451

■ 33.8592, 39.9111,
59.3451

■ 30.4007, 36.6572,
58.9000

■ 37.9253, 43.5356,
59.8311

■ 27.5106, 33.7503,
58.4912

■ 42.6280, 47.5434,
60.3568

■ 25.1503, 31.1708,
58.1178

■ 47.9986, 51.9522,
60.9247

■ 23.2750, 28.8951,
57.7773

■ 54.0655, 56.7772,
61.5363

■ 21.8317, 26.8951,
57.4674

■ 60.8551, 62.0325,
62.1928

■ 20.7267, 25.1219,
57.1834

■ 68.3926, 67.7317,
62.8956

■ 20.6635, 25.0179,
57.1666

■ 75.3633, 73.1976,
63.5832

■ 76.6646, 75.8001,
64.0170

■ 78.0063, 78.4835,
64.4642

Harmonies

Analogous

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



32.1062, 39.9111, 50.0660



33.8592, 39.9111, 59.3451



36.7740, 39.9111, 64.5961

Triad

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



33.8592, 39.9111, 59.3451



44.7347, 39.9111, 46.9011



35.7767, 39.9111, 28.1051

Complementary

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



33.8592, 39.9111, 59.3451



36.0577, 32.1187, 22.0696

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.



39.1188, 39.9111, 27.5195



33.8592, 39.9111, 59.3451



44.4281, 39.9111, 37.4558

Square

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



33.8592, 39.9111, 59.3451



43.1382, 39.9111, 56.7328



42.3239, 39.9111, 30.6916



33.1667, 39.9111, 32.4319

Rectangle

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



33.8592, 39.9111, 59.3451



39.0426, 39.9111, 64.6452



42.3239, 39.9111, 30.6916



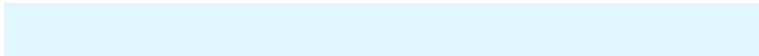
36.8472, 39.9111, 27.4917

Sweetspot

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



33.8604, 39.9127, 59.3460



82.2226, 89.7473, 107.5971



32.6376, 46.2608, 31.8283



17.3238, 18.9849, 23.0013



0.0000, 0.0000, 0.0000



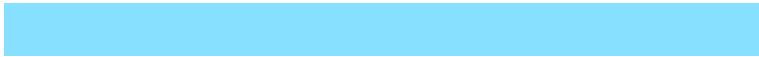
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.8604, 39.9127, 59.3460



54.7945, 65.8407, 104.4283



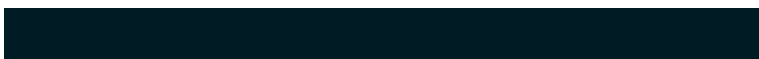
27.2450, 26.6819, 57.1409



10.7076, 11.5894, 13.5901



13.5096, 16.4131, 37.2004



0.6955, 0.8888, 1.7800

Inverse Universe

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



38.0421, 28.6542, 45.6469



63.4163, 44.0264, 75.8697



42.6998, 45.4029, 24.2836



10.9625, 10.7684, 12.7856



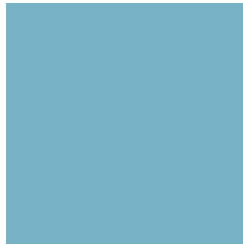
18.6184, 9.1969, 18.9980



0.9098, 0.4467, 1.0479

Previews

White Background



This preview shows how the XYZ color 33.8592, 39.9111, 59.3451 looks on a white background.

Color Contrast Check

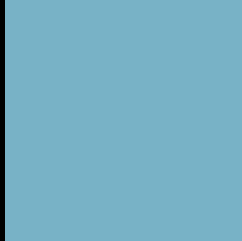
Large Text (above 18pt) WCAG AA × Fail

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 33.8592, 39.9111, 59.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

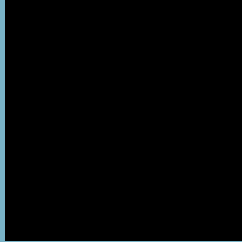
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8592, 39.9111, 59.3451

Background



This preview shows how black text looks on a background with the XYZ color 33.8592, 39.9111, 59.3451.



This preview shows how white text looks on a background with the XYZ color 33.8592, 39.9111,

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

33.8592, 39.9111, 59.3451

Protanopia

38.9237, 39.7662, 54.9144

Deuteranopia

40.5753, 39.6734, 60.7775



Tritanopia

33.3535, 40.0124, 56.4173

Trichromacy



Original Color

33.8592, 39.9111, 59.3451

Protanomaly

36.8846, 39.7897, 56.7751

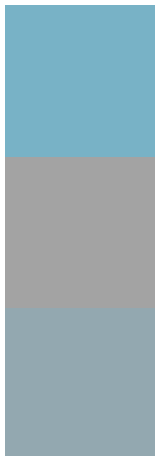
Deuteranomaly

37.7489, 39.5950, 60.2966

Tritanomaly

33.5782, 40.1023, 57.6005

Monochromacy



Original Color

33.8592, 39.9111, 59.3451

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8717, 37.3429, 46.4970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8592, 39.9111, 59.3451 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(120, 178, 198)` looks like.

```
.text, #text, p{  
    color:rgb(120, 178, 198)  
}
```

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(120, 178, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 178, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.8592, 39.9111, 59.3451 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(120, 178, 198) }
```


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

```
.border{ border-color:rgb(120, 178, 198) }
```

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

Here you see how a box with a 4 pixel rgb(120, 178, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 178, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 178, 198);  
box-shadow:4px 4px 4px 4px rgb(120, 178,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8592, 39.9111, 59.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 178, 198) }
```

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

```
.background{ background-color: rgb(120,  
178, 198) }
```

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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