

Converting Colors

XYZ(33.8046, 38.8642, 89.9213)

Have a look what the booklet for
XYZ(33.8046, 38.8642, 89.9213)
contains.

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Color

**XYZ(33.7991, 38.9118,
89.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	3FB1F2
RGB	63, 177, 242
RGB Percent	25%, 69%, 95%
CMY	0.7529, 0.3059, 0.0510
CMYK	0.74, 0.27, 0.00, 0.05
HSL	202°, 87%, 60%
HSV	202°, 74%, 95%
XYZ	33.7991, 38.9118, 89.7337
YIQ	150.3240, -88.8090, -3.9530

Conversions

Conversions Part 2

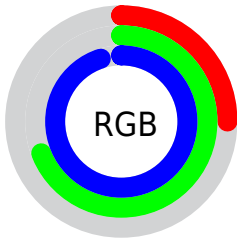
Format	Color
R _{YB}	63, 133, 242
Decimal	4174322
CIE _{Lab}	68.69, -10.80, -41.50
CIE _{LCh}	69, 42.880, 255.418
Y _{xy}	38.9118, 0.2081, 0.2395
Android (android.graphics.Color)	4282364402 (0xFF3FB1F2)
YUV	150.3240, 45.1963, -76.5831
Hunter-Lab	62.3793, -12.4468, -41.6241

Details

The XYZ color **33.7991, 38.9118, 89.7337** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **45.2369, 34.6784, 9.0141**, and the grayscale version is **28.9702, 30.4789, 33.1915**.

A 20% lighter version of the original color is **56.8618, 70.4844, 105.2157**, and **16.1965, 18.2124, 49.1161** is the 20% darker color. If you saturate the color by 10%, you get **30.8989, 34.9228, 89.1174**, and if you desaturate by 10%, it is **37.4924, 43.4769, 90.4210**.

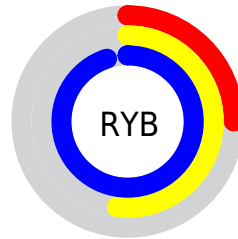
Distribution



Red (25%)

Green (69%)

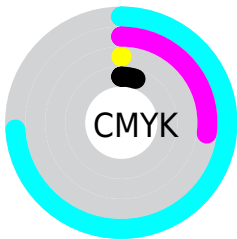
Blue (95%)



Red (25%)

Yellow (52%)

Blue (95%)

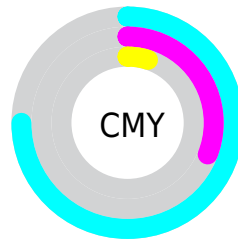


Cyan (74%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7991, 38.9118, 89.7337 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 33.7991, 38.9118, 89.7337 by changing the saturation by 10% instead.

■ 33.7991, 38.9118,
89.7337

■ 33.7991, 38.9118,
89.7337

310.8370,
341.5154, 547.7119

■ 22.9015, 26.6911,
67.1873

■ 64.9675, 73.5036,
148.9007

■ 14.6411, 17.3414,
48.7743

■ 85.9690, 96.6434,
186.3585

■ 8.6525, 10.4782,
34.0762

■ 111.0691,
124.1918, 229.6237

■ 4.5705, 5.7171,
22.6743

■ 140.6332,
156.5331, 279.1151

■ 2.0297, 2.6739,
14.1501

175.0267,
194.0517, 335.2510

■ 0.6506, 0.9639,
8.0852

214.6150,

■ 0.0000, 0.0000,

237.1320, 398.4501

4.0610

259.7633,
286.1585, 469.1309

■ 0.0000, 0.0000,
1.6589

■ 0.0000, 0.0000,
0.3323

■ 33.7991, 38.9118,
89.7337

■ 33.7991, 38.9118,
89.7337

■ 30.8989, 34.9228,
89.1174

■ 37.4924, 43.4769,
90.4210

■ 28.6893, 31.4520,
88.5639

■ 42.0558, 48.6589,
91.1807

■ 27.6023, 29.5611,
88.2562

■ 47.5607, 54.4982,
92.0177

■ 54.0697, 61.0299,
92.9353

61.6394, 68.2861,
93.9370

70.3223, 76.2963,
95.0255

80.1670, 85.0885,
96.2036

90.6223, 94.3811,
97.4462

93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



28.5693, 38.9118, 74.9036



33.7991, 38.9118, 89.7337



40.5589, 38.9118, 89.5015

Triad

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



33.7991, 38.9118, 89.7337



51.0258, 38.9118, 33.1992



28.4563, 38.9118, 21.1969

Complementary

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



33.7991, 38.9118, 89.7337



45.2369, 34.6784, 9.0141

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.



33.6265, 38.9118, 15.6100



33.7991, 38.9118, 89.7337



46.9084, 38.9118, 20.9552

Square

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



33.7991, 38.9118, 89.7337



51.0868, 38.9118, 52.4783



40.3640, 38.9118, 15.5377



25.7503, 38.9118, 33.6481

Rectangle

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



33.7991, 38.9118, 89.7337



45.0639, 38.9118, 80.6497



40.3640, 38.9118, 15.5377



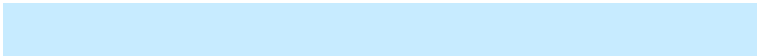
29.9336, 38.9118, 18.6479

Sweetspot

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



33.8005, 38.9131, 89.7347



71.1784, 78.5519, 106.0183



37.5472, 66.0597, 30.3956



14.6990, 16.3106, 22.6235



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.



33.8005, 38.9131, 89.7347



33.3940, 37.1950, 100.0270



21.7226, 14.7573, 85.7087



15.7366, 16.9074, 20.1556



14.9625, 16.1492, 47.4564



1.3389, 1.5318, 3.9793

Inverse Universe

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



46.3326, 25.6085, 44.0969



49.1590, 25.0939, 41.5765



61.8553, 67.9153, 14.5536



16.1965, 15.9283, 18.5910



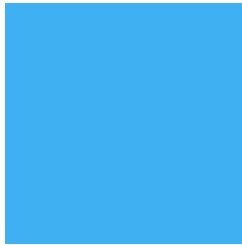
22.8780, 11.4236, 17.8058



1.9508, 0.9694, 1.7316

Previews

White Background



This preview shows how the XYZ color 33.7991, 38.9118, 89.7337 looks on a white background.

Color Contrast Check

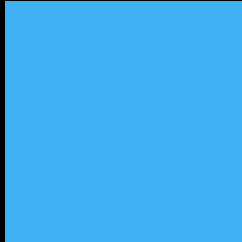
Large Text (above 18pt) WCAG AA × Fail

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 33.7991, 38.9118, 89.7337 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

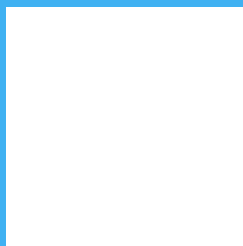
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7991, 38.9118, 89.7337

Background



This preview shows how black text looks on a background with the XYZ color 33.7991, 38.9118, 89.7337.



This preview shows how white text looks on a background with the XYZ color 33.7991, 38.9118,

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

33.7991, 38.9118, 89.7337

Protanopia

39.6950, 38.4881, 81.6807

Deuteranopia

39.6094, 38.4894, 91.7278



Tritanopia

27.9554, 38.9614, 60.6905

Trichromacy



Original Color

33.7991, 38.9118, 89.7337

Protanomaly

36.5307, 38.1451, 84.7942

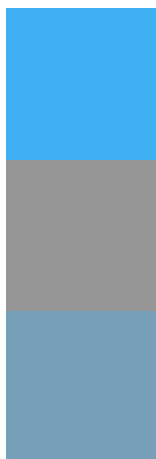
Deuteranomaly

36.7014, 38.0957, 91.0068

Tritanomaly

29.5894, 38.6693, 70.1944

Monochromacy



Original Color

33.7991, 38.9118, 89.7337

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5893, 32.4121, 49.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7991, 38.9118, 89.7337 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(63, 177, 242)` looks like.

```
.text, #text, p{  
    color:rgb(63, 177, 242)  
}
```

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(63, 177, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 177, 242) }
```

Border

The CSS property to change the border of an element to XYZ 33.7991, 38.9118, 89.7337 is called "border". The border property can be set on classes, ids or directly on the HTML element.

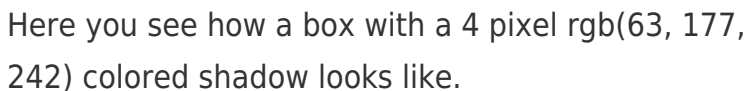
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 177, 242) }
```


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

```
.border{ border-color:rgb(63, 177, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(63, 177, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 177, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 177, 242); box-shadow:4px 4px 4px 4px rgb(63, 177, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7991, 38.9118, 89.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 177, 242) }
```

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

```
.background{ background-color: rgb(63, 177,  
242) }
```

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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