

Converting Colors

XYZ(33.8710, 38.0768, 53.3683)

Have a look what the booklet for
XYZ(33.8710, 38.0768, 53.3683)
contains.

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Color

**XYZ(33.7934, 37.9909,
53.1288)**

Conversions

Conversions Part 1

Format	Color
Hex	88ABBC
RGB	136, 171, 188
RGB Percent	53%, 67%, 74%
CMY	0.4667, 0.3294, 0.2627
CMYK	0.28, 0.09, 0.00, 0.26
HSL	200°, 28%, 64%
HSV	200°, 28%, 74%
XYZ	33.7934, 37.9909, 53.1288
YIQ	162.4730, -26.3170, -2.1330

Conversions

Conversions Part 2

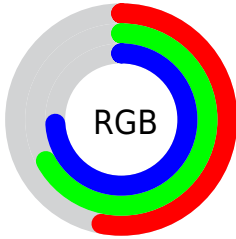
Format	Color
RYB	136, 157, 188
Decimal	8956860
CIELab	68.01, -7.91, -12.60
CIELCh	68, 14.881, 237.875
Yxy	37.9909, 0.2705, 0.3041
Android (android.graphics.Color)	4287146940 (0xFF88ABBC)
YUV	162.4730, 12.5848, -23.2168
Hunter-Lab	61.6368, -9.9987, -7.9602

Details

The XYZ color **33.7934, 37.9909, 53.1288** is a light color, and the websafe version is hex **669999**. A complement of this color would be **36.5748, 35.2518, 28.1702**, and the grayscale version is **34.5171, 36.3147, 39.5467**.

A 20% lighter version of the original color is **64.7607, 71.8715, 96.0473**, and **14.7163, 16.8742, 25.4031** is the 20% darker color. If you saturate the color by 10%, you get **29.8701, 34.2858, 52.6211**, and if you desaturate by 10%, it is **38.3086, 42.0831, 53.6813**.

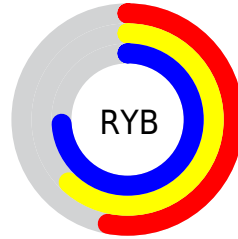
Distribution



Red (53%)

Green (67%)

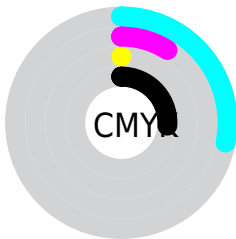
Blue (74%)



Red (53%)

Yellow (62%)

Blue (74%)

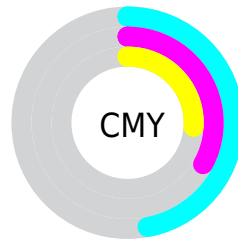


Cyan (28%)

Magenta (9%)

Yellow (0%)

Black (26%)



Cyan (47%)

Magenta (33%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7934, 37.9909, 53.1288 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 33.7934, 37.9909, 53.1288 by changing the saturation by 10% instead.

■ 33.7934, 37.9909,
53.1288

■ 33.7934, 37.9909,
53.1288

310.8120,
337.5809, 415.8594

■ 22.8971, 25.9756,
37.5172

■ 64.9587, 72.0942,
96.2373

■ 14.6378, 16.8054,
25.3092

■ 85.9583, 94.9510,
124.5713

■ 8.6502, 10.0958,
16.0865

■ 111.0565,
122.1904, 157.9832

■ 4.5690, 5.4626,
9.4304

140.6185,
154.1969, 196.8914

■ 2.0288, 2.5211,
4.9223

175.0097,
191.3548, 241.7147

■ 0.6501, 0.8872,
2.1438

214.5954,

■ 0.0000, 0.0000,

234.0485, 292.8714

0.6417

259.7411,
282.6624, 350.7801

■ 0.0000, 0.0000,
0.0000

■ 33.7934, 37.9909,
53.1288

■ 33.7934, 37.9909,
53.1288

■ 29.8701, 34.2858,
52.6211

■ 38.3086, 42.0831,
53.6813

■ 26.5065, 30.9474,
52.1540

■ 43.4388, 46.5726,
54.2775

■ 23.6724, 27.9599,
51.7267

■ 49.2101, 51.4749,
54.9196

■ 21.3334, 25.3045,
51.3374

■ 55.6461, 56.8030,
55.6088

■ 19.4505, 22.9599,
50.9841

■ 62.7690, 62.5695,
56.3464

■ 17.9782, 20.9015,
50.6644

■ 70.6000, 68.7863,
57.1336

■ 16.8494, 19.0935,
50.3749

■ 74.3695, 72.9954,
57.7474

■ 16.6080, 18.6924,
50.3102

■ 75.9546, 76.1656,
58.2758

■ 77.5990, 79.4544,
58.8239

Harmonies

Analogous

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



32.3155, 37.9909, 47.6169



33.7934, 37.9909, 53.1288



35.9444, 37.9909, 55.4581

Triad

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



33.7934, 37.9909, 53.1288



40.7428, 37.9909, 41.8402



34.0677, 37.9909, 31.0886

Complementary

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



33.7934, 37.9909, 53.1288



36.5748, 35.2518, 28.1702

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.



36.2746, 37.9909, 29.8889



33.7934, 37.9909, 53.1288



40.1888, 37.9909, 35.6869

Square

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



33.7934, 37.9909, 53.1288



40.0118, 37.9909, 48.5221



38.5285, 37.9909, 31.4811



32.4690, 37.9909, 34.9499

Rectangle

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



33.7934, 37.9909, 53.1288



37.4928, 37.9909, 54.7238



38.5285, 37.9909, 31.4811



34.7601, 37.9909, 30.3800

Sweetspot

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



33.7946, 37.9924, 53.1297



78.2602, 84.0038, 98.3158



33.8433, 43.4838, 36.5170



16.5135, 17.7914, 21.1063



90.7827, 95.5105, 104.0109



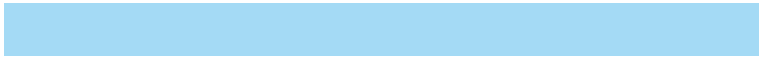
18.6292, 19.5994, 21.3438

Same Dimension

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



33.7946, 37.9924, 53.1297



56.9373, 64.8211, 95.7370



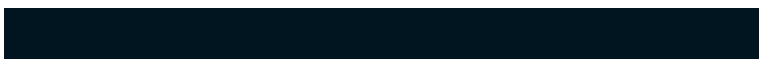
29.4385, 29.2803, 51.6777



9.5386, 10.2695, 12.1517



11.3774, 12.8666, 34.2767



0.5029, 0.6185, 1.3617

Inverse Universe

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



36.8949, 31.2410, 42.6153



63.5711, 51.0157, 73.0956



41.1971, 44.4965, 29.7110



9.7937, 9.6418, 11.3026



16.7436, 8.3286, 14.4751



0.6848, 0.3378, 0.7191

Previews

White Background



This preview shows how the XYZ color 33.7934, 37.9909, 53.1288 looks on a white background.

Color Contrast Check

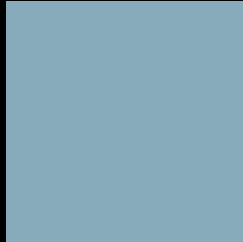
Large Text (above 18pt) WCAG AA × Fail

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 33.7934, 37.9909, 53.1288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

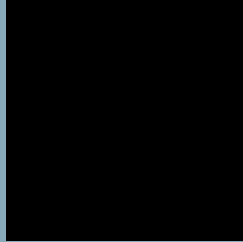
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7934, 37.9909, 53.1288

Background



This preview shows how black text looks on a background with the XYZ color 33.7934, 37.9909, 53.1288.



This preview shows how white text looks on a background with the XYZ color 33.7934, 37.9909,

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

33.7934, 37.9909, 53.1288

Protanopia

37.0314, 37.7981, 50.6914

Deuteranopia

38.6167, 37.7535, 53.9670



Tritanopia

33.3115, 37.7795, 51.4354

Trichromacy



Original Color

33.7934, 37.9909, 53.1288

Protanomaly

35.7125, 37.9125, 51.3345

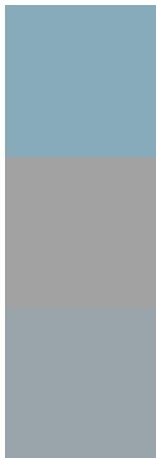
Deuteranomaly

36.7410, 37.8535, 53.5141

Tritanomaly

33.4175, 37.8219, 51.9934

Monochromacy



Original Color

33.7934, 37.9909, 53.1288

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9427, 36.6228, 43.8080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7934, 37.9909, 53.1288 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(136, 171, 188)` looks like.

```
.text, #text, p{  
    color:rgb(136, 171, 188)  
}
```

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(136, 171, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 171, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.7934, 37.9909, 53.1288 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(136, 171, 188) }
```


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

```
.border{ border-color:rgb(136, 171, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 171, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 171, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 171, 188);  
box-shadow:4px 4px 4px 4px rgb(136, 171,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7934, 37.9909, 53.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 171, 188) }
```

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

```
.background{ background-color: rgb(136,  
171, 188) }
```

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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