

Converting Colors

XYZ(30.7811, 37.4552, 37.8468)

Have a look what the booklet for
XYZ(30.7811, 37.4552, 37.8468)
contains.

XYZ(30.7880, 37.3423, 37.9328)	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(30.7880, 37.3423,
37.9328)**

Conversions

Conversions Part 1

Format	Color
Hex	85AD9E
RGB	133, 173, 158
RGB Percent	52%, 68%, 62%
CMY	0.4784, 0.3216, 0.3804
CMYK	0.23, 0.00, 0.09, 0.32
HSL	157°, 20%, 60%
HSV	157°, 23%, 68%
XYZ	30.7880, 37.3423, 37.9328
YIQ	159.3300, -19.0250, -13.1450

Conversions

Conversions Part 2

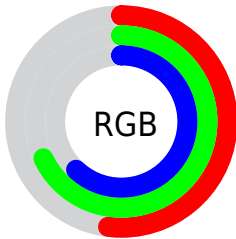
Format	Color
RYB	133, 158, 173
Decimal	8760734
CIELab	67.53, -16.67, 3.29
CIElCh	68, 16.991, 168.821
Yxy	37.3423, 0.2903, 0.3521
Android (android.graphics.Color)	4286950814 (0xFF85AD9E)
YUV	159.3300, -0.6557, -23.0914
Hunter-Lab	61.1083, -17.0066, 5.9718

Details

The XYZ color **30.7880, 37.3423, 37.9328** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.9677, 27.7984, 31.7521**, and the grayscale version is **33.1157, 34.8403, 37.9411**.

A 20% lighter version of the original color is **60.5231, 71.4075, 73.5439**, and **12.9709, 16.5301, 16.4169** is the 20% darker color. If you saturate the color by 10%, you get **27.7347, 35.8321, 34.9515**, and if you desaturate by 10%, it is **34.3227, 39.0993, 41.0921**.

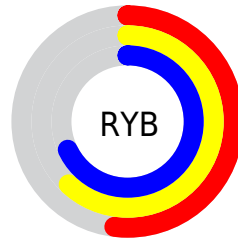
Distribution



Red (52%)

Green (68%)

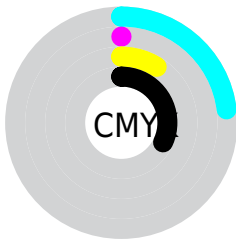
Blue (62%)



Red (52%)

Yellow (62%)

Blue (68%)

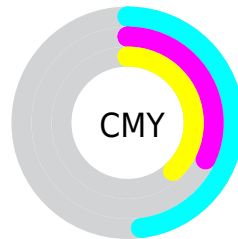


Cyan (23%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (48%)

Magenta (32%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7880, 37.3423, 37.9328 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 30.7880, 37.3423, 37.9328 by changing the saturation by 10% instead.

■ 30.7880, 37.3423,
37.9328

■ 30.7880, 37.3423,
37.9328

297.4048,
334.7901, 352.6212

■ 20.5885, 25.4726,
25.6291

■ 60.2843, 71.0989,
73.2074

■ 12.9343, 16.4295,
16.3231

■ 80.3117, 93.7547,
97.0154

■ 7.4600, 9.8286,
9.5963

■ 104.3459,
120.7746, 125.4953

■ 3.8003, 5.2855,
5.0300

132.7521,
152.5430, 159.0655

■ 1.5898, 2.4157,
2.2058

165.8958,
189.4444, 198.1447

■ 0.3857, 0.8340,
0.6777

204.1422,

■ 0.0000, 0.0000,

231.8631, 243.1513

0.0000

247.8568,
280.1836, 294.5039

■ 30.7880, 37.3423,
37.9328

■ 30.7880, 37.3423,
37.9328

■ 27.7347, 35.8321,
34.9515

■ 34.3227, 39.0993,
41.0921

■ 25.1374, 34.5526,
32.1424

■ 38.3568, 41.1092,
44.4303

■ 22.9726, 33.4928,
29.5028

■ 42.9108, 43.3836,
47.9513

■ 21.2138, 32.6391,
27.0289

■ 48.0033, 45.9322,
51.6582

■ 19.8311, 31.9760,
24.7168

■ 53.6521, 48.7639,
55.5540

■ 18.7907, 31.4862,
22.5623

■ 59.8740, 51.8873,
59.6416

■ 18.0517, 31.1488,
20.5609

■ 66.6850, 55.3108,
63.9238

■ 17.6574, 30.9738,
19.2688

■ 67.8056, 55.7971,
68.1088

■ 68.6302, 56.1269,
72.4510

Harmonies

Analogous

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



31.8436, 37.3423, 31.9014



30.7880, 37.3423, 37.9328



30.9459, 37.3423, 45.4809

Triad

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



30.7880, 37.3423, 37.9328



37.1386, 37.3423, 55.8582



38.9050, 37.3423, 30.7616

Complementary

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



30.7880, 37.3423, 37.9328



30.9677, 27.7984, 31.7521

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.



40.4644, 37.3423, 36.1913



30.7880, 37.3423, 37.9328



39.4106, 37.3423, 50.8894

Square

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



30.7880, 37.3423, 37.9328



34.5275, 37.3423, 56.4739



40.6539, 37.3423, 43.5137



36.4758, 37.3423, 28.1128

Rectangle

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



30.7880, 37.3423, 37.9328



31.7201, 37.3423, 50.3644



40.6539, 37.3423, 43.5137



39.5533, 37.3423, 32.2889

Sweetspot

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



30.7890, 37.3438, 37.9336



65.6923, 72.1256, 77.1386



31.4516, 37.9093, 27.8505



14.1869, 15.6299, 16.6902



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.7890, 37.3438, 37.9336



52.0992, 65.3721, 65.0291



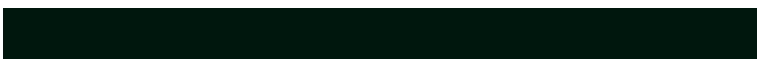
31.2812, 36.1337, 44.8628



8.1070, 9.0204, 9.5885



12.9998, 22.7652, 14.3046



0.3870, 0.6435, 0.5316

Inverse Universe

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



30.9677, 27.7984, 31.7521



52.4799, 45.1084, 51.9131



30.5091, 28.6601, 26.1149



8.1248, 8.0632, 8.9682



13.3849, 6.8165, 4.4063



0.3994, 0.2004, 0.2648

Previews

White Background



This preview shows how the XYZ color 30.7880, 37.3423, 37.9328 looks on a white background.

Color Contrast Check

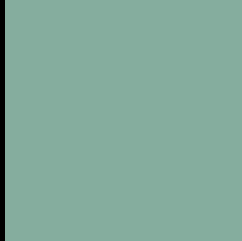
Large Text (above 18pt) WCAG AA × Fail

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 30.7880, 37.3423, 37.9328 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

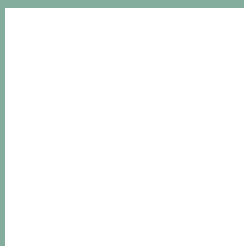
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7880, 37.3423, 37.9328

Background



This preview shows how black text looks on a background with the XYZ color 30.7880, 37.3423, 37.9328.



This preview shows how white text looks on a background with the XYZ color 30.7880, 37.3423,

37.9328.

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

30.7880, 37.3423, 37.9328

Protanopia

35.4245, 37.0403, 35.4194

Deuteranopia

37.8872, 37.1932, 38.9004



Tritanopia

33.2164, 37.1981, 50.2290

Trichromacy



Original Color

30.7880, 37.3423, 37.9328

Protanomaly

33.6397, 37.1721, 36.4123

Deuteranomaly

34.9305, 36.9815, 38.5548

Tritanomaly

32.1680, 37.0397, 45.4983

Monochromacy



Original Color

30.7880, 37.3423, 37.9328

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1111, 35.5382, 37.9680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7880, 37.3423, 37.9328 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(133, 173, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 158)  
}
```

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(133, 173, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 158) }
```

Border

The CSS property to change the border of an element to XYZ 30.7880, 37.3423, 37.9328 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(133, 173, 158) }
```


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

```
.border{ border-color:rgb(133, 173, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7880, 37.3423, 37.9328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 158) }
```

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

```
.background{ background-color: rgb(133,  
173, 158) }
```

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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