

Converting Colors

XYZ(37.8173, 38.8800, 69.1297)

Have a look what the booklet for
XYZ(37.8173, 38.8800, 69.1297)
contains.

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Color

**XYZ(37.8173, 38.8800,
69.1297)**

Conversions

Conversions Part 1

Format	Color
Hex	91A8D6
RGB	145, 168, 214
RGB Percent	57%, 66%, 84%
CMY	0.4314, 0.3412, 0.1608
CMYK	0.32, 0.21, 0.00, 0.16
HSL	220°, 46%, 70%
HSV	220°, 32%, 84%
XYZ	37.8173, 38.8800, 69.1297
YIQ	166.3670, -28.4740, 9.4300

Conversions

Conversions Part 2

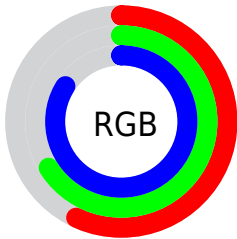
Format	Color
RYB	145, 162, 214
Decimal	9545942
CIELab	68.66, 2.82, -25.92
CIELCh	69, 26.076, 276.206
Yxy	38.8800, 0.2593, 0.2666
Android (android.graphics.Color)	4287736022 (0xFF91A8D6)
YUV	166.3670, 23.4831, -18.7389
Hunter-Lab	62.3538, -0.8598, -22.0853

Details

The XYZ color **37.8173, 38.8800, 69.1297** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.4740, 53.6029, 34.4229**, and the grayscale version is **36.3238, 38.2155, 41.6166**.

A 20% lighter version of the original color is **68.2571, 72.2747, 104.9606**, and **16.9170, 17.2693, 35.2426** is the 20% darker color. If you saturate the color by 10%, you get **31.9048, 32.1350, 68.1401**, and if you desaturate by 10%, it is **44.7316, 46.5722, 70.2507**.

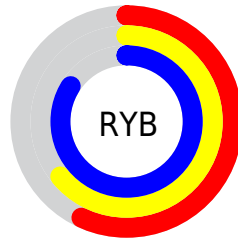
Distribution



Red (57%)

Green (66%)

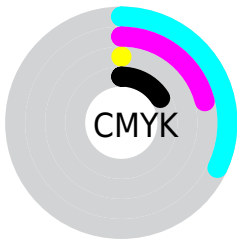
Blue (84%)



Red (57%)

Yellow (64%)

Blue (84%)

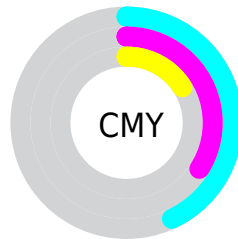


Cyan (32%)

Magenta (21%)

Yellow (0%)

Black (16%)



Cyan (43%)

Magenta (34%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8173, 38.8800, 69.1297 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 37.8173, 38.8800, 69.1297 by changing the saturation by 10% instead.

■ 37.8173, 38.8800,
69.1297

■ 37.8173, 38.8800,
69.1297

328.1300,
341.3800, 476.1946

■ 26.0175, 26.6664,
50.3449

■ 71.1337, 73.4550,
119.6363

■ 16.9695, 17.3228,
35.3144

■ 93.3811, 96.5851,
152.1951

■ 10.3079, 10.4649,
23.6197

119.8416,
124.1229, 190.1824

■ 5.6674, 5.7083,
14.8422

150.8807,
156.4527, 234.0167

■ 2.6826, 2.6685,
8.5633

186.8638,
193.9589, 284.1166

■ 0.9882, 0.9612,
4.3646

228.1561,

■ 0.0000, 0.0000,

237.0259, 340.9005

1.8274

275.1230,
286.0382, 404.7870

■ 0.0000, 0.0000,
0.4459

■ 0.0000, 0.0000,
0.0000

■ 37.8173, 38.8800,
69.1297

■ 37.8173, 38.8800,
69.1297

■ 31.9048, 32.1350,
68.1401

■ 44.7316, 46.5722,
70.2507

■ 26.9411, 26.2933,
67.2741

■ 52.6895, 55.2437,
71.5050

■ 22.8736, 21.3145,
66.5275

■ 61.7352, 64.9308,
72.8981

■ 19.6429, 17.1523,
65.8944

■ 71.9090, 75.6661,
74.4340

■ 17.1814, 13.7557,
65.3685

■ 83.2490, 87.4812,
76.1168

■ 15.4097, 11.0662,
64.9428

■ 88.6936, 96.7468,
77.6183

■ 14.4123, 9.4043,
64.6746

■ 89.1377, 97.6351,
77.7664

Harmonies

Analogous

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



33.8496, 38.8800, 66.6699



37.8173, 38.8800, 69.1297



41.8338, 38.8800, 63.4048

Triad

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



37.8173, 38.8800, 69.1297



43.7217, 38.8800, 30.2971



30.1696, 38.8800, 33.8247

Complementary

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



37.8173, 38.8800, 69.1297



51.4740, 53.6029, 34.4229

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.



32.4698, 38.8800, 26.5398



37.8173, 38.8800, 69.1297



40.2432, 38.8800, 24.7834

Square

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



37.8173, 38.8800, 69.1297



45.4020, 38.8800, 39.9281



36.1045, 38.8800, 23.5482



29.6253, 38.8800, 44.8340

Rectangle

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



37.8173, 38.8800, 69.1297



43.9361, 38.8800, 56.2473



36.1045, 38.8800, 23.5482



30.7543, 38.8800, 30.9275

Sweetspot

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



37.8186, 38.8815, 69.1306



81.0975, 85.1095, 106.7612



45.0025, 57.8249, 57.4198



16.9673, 17.7959, 22.7906



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.



37.8186, 38.8815, 69.1306



49.8066, 50.5096, 101.7320



35.8491, 32.1105, 67.9275



12.0775, 12.6783, 15.7481



8.7971, 5.8560, 39.1198



0.6057, 0.5033, 2.3845

Inverse Universe

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



44.9259, 37.3754, 41.8936



62.2059, 48.5473, 54.0658



53.9643, 62.9262, 36.0912



12.5923, 12.4884, 13.7933



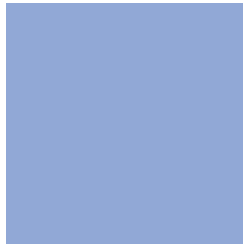
17.4992, 8.9360, 4.6670



1.0934, 0.5541, 0.4810

Previews

White Background



This preview shows how the XYZ color 37.8173, 38.8800, 69.1297 looks on a white background.

Color Contrast Check

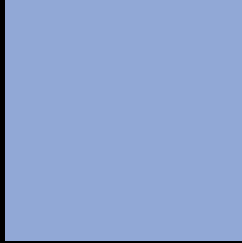
Large Text (above 18pt) WCAG AA × Fail

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 37.8173, 38.8800, 69.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

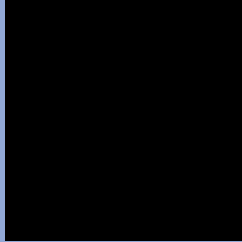
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8173, 38.8800, 69.1297

Background



This preview shows how black text looks on a background with the XYZ color 37.8173, 38.8800, 69.1297.



This preview shows how white text looks on a background with the XYZ color 37.8173, 38.8800,

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

37.8173, 38.8800, 69.1297

Protanopia

38.8564, 38.6323, 67.6962

Deuteranopia

39.6418, 38.7263, 69.6756



Tritanopia

34.5607, 38.9640, 52.7130

Trichromacy



Original Color

37.8173, 38.8800, 69.1297

Protanomaly

38.4090, 38.6558, 68.3877

Deuteranomaly

38.8577, 38.5889, 69.6904

Tritanomaly

35.6255, 38.8198, 58.4386

Monochromacy



Original Color

37.8173, 38.8800, 69.1297

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4665, 38.3254, 50.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8173, 38.8800, 69.1297 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(145, 168, 214)` looks like.

```
.text, #text, p{  
    color:rgb(145, 168, 214)  
}
```

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(145, 168, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 168, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.8173, 38.8800, 69.1297 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(145, 168, 214) }
```


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

```
.border{ border-color:rgb(145, 168, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 168, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 168, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 168, 214);  
box-shadow:4px 4px 4px 4px rgb(145, 168,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8173, 38.8800, 69.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 168, 214) }
```

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

```
.background{ background-color: rgb(145,  
168, 214) }
```

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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