

Converting Colors

XYZ(34.0903, 37.3658, 78.8159)

Have a look what the booklet for
XYZ(34.0903, 37.3658, 78.8159)
contains.

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Color

**XYZ(34.0872, 37.2939,
78.8007)**

Conversions

Conversions Part 1

Format	Color
Hex	68AAE4
RGB	104, 170, 228
RGB Percent	41%, 67%, 89%
CMY	0.5921, 0.3333, 0.1059
CMYK	0.54, 0.25, 0.00, 0.11
HSL	208°, 70%, 65%
HSV	208°, 54%, 89%
XYZ	34.0872, 37.2939, 78.8007
YIQ	156.8780, -57.9540, 4.0460

Conversions

Conversions Part 2

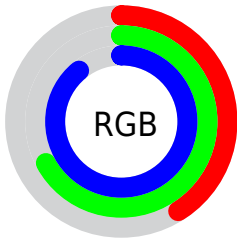
Format	Color
RYB	104, 147, 228
Decimal	6859492
CIELab	67.50, -4.66, -35.60
CIElCh	67, 35.908, 262.541
Yxy	37.2939, 0.2270, 0.2483
Android (android.graphics.Color)	4285049572 (0xFF68AAE4)
YUV	156.8780, 35.0631, -46.3740
Hunter-Lab	61.0687, -7.2356, -33.7574

Details

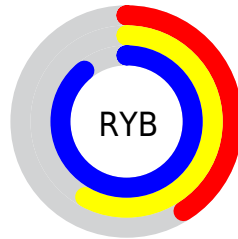
The XYZ color **34.0872, 37.2939, 78.8007** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.4153, 43.3359, 18.9638**, and the grayscale version is **31.8603, 33.5195, 36.5028**.

A 20% lighter version of the original color is **59.8755, 68.7518, 104.7224**, and **14.7615, 16.3668, 41.4108** is the 20% darker color. If you saturate the color by 10%, you get **29.8710, 32.2725, 78.0544**, and if you desaturate by 10%, it is **39.1835, 43.0112, 79.6364**.

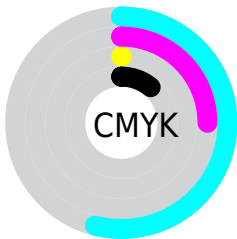
Distribution



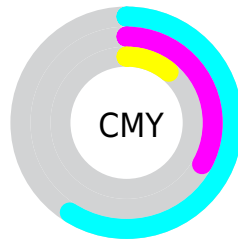
- Red (41%)
- Green (67%)
- Blue (89%)



- Red (41%)
- Yellow (58%)
- Blue (89%)



- Cyan (54%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (59%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0872, 37.2939, 78.8007 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 34.0872, 37.2939, 78.8007 by changing the saturation by 10% instead.

■ 34.0872, 37.2939,
78.8007

■ 34.0872, 37.2939,
78.8007

312.0998,
334.5812, 510.4816

■ 23.1238, 25.4351,
58.2116

■ 65.4126, 71.0246,
133.4744

■ 14.8061, 16.4015,
41.5630

■ 86.5054, 93.6653,
168.3960

■ 8.7689, 9.8087,
28.4362

■ 111.7053,
120.6687, 208.9323

■ 4.6466, 5.2723,
18.4129

■ 141.3777,
152.4193, 255.5017

■ 2.0741, 2.4079,
11.0743

175.8880,
189.3015, 308.5228

■ 0.6751, 0.8300,
6.0020

215.6016,

■ 0.0000, 0.0000,

231.6996, 368.4141

2.7775

260.8837,
279.9980, 435.5942

■ 0.0000, 0.0000,
0.9822

■ 0.0000, 0.0000,
0.0000

■ 34.0872, 37.2939,
78.8007

■ 34.0872, 37.2939,
78.8007

■ 29.8710, 32.2725,
78.0544

■ 39.1835, 43.0112,
79.6364

■ 26.4681, 27.9048,
77.3907

■ 45.2123, 49.4547,
80.5623

■ 23.8073, 24.1488,
76.8060

■ 52.2260, 56.6576,
81.5830

■ 21.8007, 20.9532,
76.2949

■ 60.2719, 64.6493,
82.7015

■ 20.8842, 19.3624,
76.0362

■ 69.3939, 73.4576,
83.9208

■ 79.6335, 83.1086,
85.2440

■ 87.7920, 91.9580,
86.5221

■ 91.0037, 98.3815,
87.5927

Harmonies

Analogous

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



29.3776, 37.2939, 69.8172



34.0872, 37.2939, 78.8007



39.6715, 37.2939, 75.6326

Triad

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



34.0872, 37.2939, 78.8007



46.1767, 37.2939, 30.0368



27.6742, 37.2939, 24.7882

Complementary

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



34.0872, 37.2939, 78.8007



47.4153, 43.3359, 18.9638

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.



31.5331, 37.2939, 18.5113



34.0872, 37.2939, 78.8007



42.2990, 37.2939, 20.9474

Square

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



34.0872, 37.2939, 78.8007



47.0417, 37.2939, 44.6803



36.8419, 37.2939, 17.3154



25.9332, 37.2939, 36.7886

Rectangle

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



34.0872, 37.2939, 78.8007



43.1150, 37.2939, 67.3609



36.8419, 37.2939, 17.3154



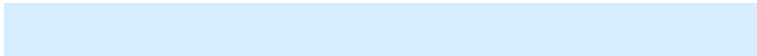
28.7463, 37.2939, 22.0813

Sweetspot

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



34.0885, 37.2952, 78.8016



75.8112, 81.4887, 106.3410



39.9633, 61.0348, 43.7966



15.7534, 16.9750, 22.6962



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.



34.0885, 37.2952, 78.8016



38.0091, 40.9868, 100.5157



25.0905, 19.2993, 75.8023



14.2148, 15.1510, 18.3196



12.1790, 11.4201, 43.9456



0.9928, 1.0295, 3.2784

Inverse Universe

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



44.2021, 29.2983, 41.3568



52.8160, 31.6396, 45.1647



61.1144, 70.7341, 23.5302



14.6960, 14.4956, 16.5996



20.5409, 10.3506, 11.7433



1.5648, 0.7836, 1.1145

Previews

White Background



This preview shows how the XYZ color 34.0872, 37.2939, 78.8007 looks on a white background.

Color Contrast Check

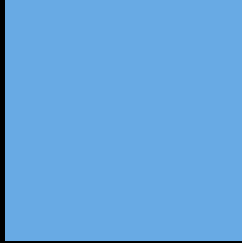
Large Text (above 18pt) WCAG AA × Fail

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 34.0872, 37.2939, 78.8007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

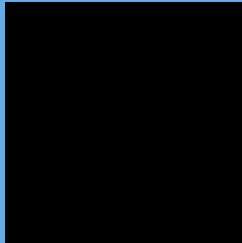
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0872, 37.2939, 78.8007

Background



This preview shows how black text looks on a background with the XYZ color 34.0872, 37.2939, 78.8007.

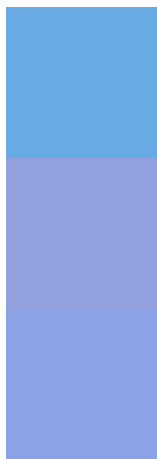


This preview shows how white text looks on a background with the XYZ color 34.0872, 37.2939,

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

34.0872, 37.2939, 78.8007

Protanopia

37.6501, 36.8212, 73.5294

Deuteranopia

38.0185, 37.1293, 80.0258



Tritanopia

29.3426, 37.3795, 54.9587

Trichromacy



Original Color

34.0872, 37.2939, 78.8007

Protanomaly

36.0901, 36.7580, 75.7139

Deuteranomaly

36.3504, 37.0794, 79.3699

Tritanomaly

30.7545, 37.0646, 62.6600

Monochromacy



Original Color

34.0872, 37.2939, 78.8007

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9488, 34.6628, 49.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0872, 37.2939, 78.8007 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(104, 170, 228)` looks like.

```
.text, #text, p{  
    color:rgb(104, 170, 228)  
}
```

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(104, 170, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 170, 228) }
```

Border

The CSS property to change the border of an element to XYZ 34.0872, 37.2939, 78.8007 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(104, 170, 228) }
```


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

```
.border{ border-color:rgb(104, 170, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 170, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 170, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 170, 228);  
box-shadow:4px 4px 4px 4px rgb(104, 170,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0872, 37.2939, 78.8007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 170, 228) }
```

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

```
.background{ background-color: rgb(104,  
170, 228) }
```

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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