

Converting Colors

XYZ(37.1366, 39.9319, 97.8098)

Have a look what the booklet for
XYZ(37.1366, 39.9319, 97.8098)
contains.

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Color

**XYZ(37.1171, 39.8619,
97.8333)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAFFC
RGB	90, 175, 252
RGB Percent	35%, 69%, 99%
CMY	0.6470, 0.3137, 0.0118
CMYK	0.64, 0.31, 0.00, 0.01
HSL	209°, 96%, 67%
HSV	209°, 64%, 99%
XYZ	37.1171, 39.8619, 97.8333
YIQ	158.3630, -75.3770, 5.9270

Conversions

Conversions Part 2

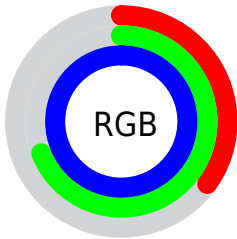
Format	Color
R _Y B	90, 146, 252
Decimal	5943292
CIE Lab	69.37, -2.51, -45.80
CIE LCh	69, 45.869, 266.861
Yxy	39.8619, 0.2123, 0.2280
Android (android.graphics.Color)	4284133372 (0xFF5AFFC)
YUV	158.3630, 46.1630, -59.9544
Hunter-Lab	63.1363, -5.5504, -47.6779

Details

The XYZ color **37.1171, 39.8619, 97.8333** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **55.8112, 49.0742, 16.2055**, and the grayscale version is **32.4872, 34.1791, 37.2210**.

A 20% lighter version of the original color is **59.4837, 70.5859, 105.0971**, and **16.9333, 18.1060, 54.2321** is the 20% darker color. If you saturate the color by 10%, you get **32.8396, 34.3486, 96.9954**, and if you desaturate by 10%, it is **42.4348, 46.2197, 98.7810**.

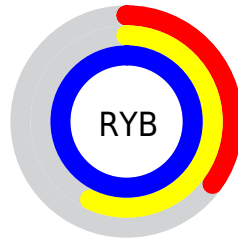
Distribution



Red (35%)

Green (69%)

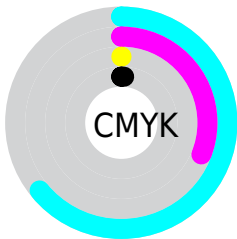
Blue (99%)



Red (35%)

Yellow (57%)

Blue (99%)

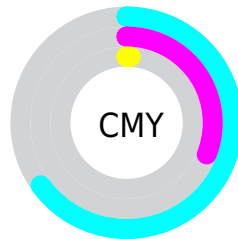


Cyan (64%)

Magenta (31%)

Yellow (0%)

Black (1%)



Cyan (65%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1171, 39.8619, 97.8333 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 37.1171, 39.8619, 97.8333 by changing the saturation by 10% instead.

■ 37.1171, 39.8619,
97.8333

■ 37.1171, 39.8619,
97.8333

325.1640,
345.5412, 574.4107

■ 25.4723, 27.4309,
73.8855

■ 70.0655, 74.9532,
160.2023

■ 16.5599, 17.8971,
54.2041

■ 92.0998, 98.3822,
199.4605

■ 10.0145, 10.8761,
38.3706

■ 118.3279,
126.2461, 244.6593

■ 5.4709, 5.9836,
25.9664

■ 149.1153,
158.9291, 296.2172

■ 2.5637, 2.8351,
16.5729

184.8272,
196.8158, 354.5528

■ 0.9275, 1.0463,
9.7718

225.8291,

■ 0.0000, 0.0000,

240.2904, 420.0845

5.1443

272.4862,
289.7374, 493.2310

■ 0.0000, 0.0000,
2.2719

■ 0.0000, 0.0000,
0.7154

■ 37.1171, 39.8619,
97.8333

■ 37.1171, 39.8619,
97.8333

■ 32.8396, 34.3486,
96.9954

■ 42.4348, 46.2197,
98.7810

■ 29.5048, 29.6196,
96.2584

■ 48.8691, 53.4672,
99.8408

■ 27.0008, 25.6098,
95.6164

■ 56.4935, 61.6503,
101.0185

■ 25.8518, 23.5903,
95.2871

■ 65.3738, 70.8100,
102.3184

■ 75.5703, 80.9843,
103.7448

■ 87.1395, 92.2090,
105.3016

94.5708, 99.8083,
106.3768

Harmonies

Analogous

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



30.6581, 39.8619, 87.0170



37.1171, 39.8619, 97.8333



44.6566, 39.8619, 90.5974

Triad

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



37.1171, 39.8619, 97.8333



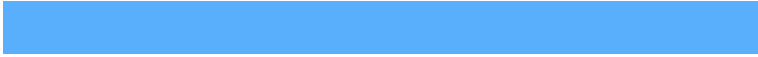
51.9847, 39.8619, 27.5292



27.2190, 39.8619, 24.7852

Complementary

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



37.1171, 39.8619, 97.8333



55.8112, 49.0742, 16.2055

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.



31.8396, 39.8619, 16.3351



37.1171, 39.8619, 97.8333



46.1726, 39.8619, 17.5207

Square

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



37.1171, 39.8619, 97.8333



53.8684, 39.8619, 45.6626



38.6686, 39.8619, 14.1863



25.4283, 39.8619, 41.2189

Rectangle

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



37.1171, 39.8619, 97.8333



49.1950, 39.8619, 77.4796



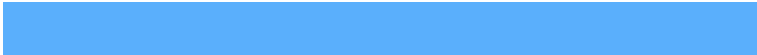
38.6686, 39.8619, 14.1863



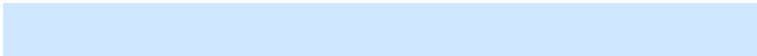
28.4608, 39.8619, 21.1499

Sweetspot

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



37.1186, 39.8633, 97.8343



72.5049, 78.1173, 105.8645



45.8748, 74.5342, 47.8555



14.8873, 16.0876, 22.5705



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.



37.1186, 39.8633, 97.8343



32.6952, 33.8637, 99.4209



25.9173, 17.4607, 94.1005



17.0367, 18.1503, 21.9907



13.6152, 12.5860, 49.6853



1.3672, 1.3780, 4.6371

Inverse Universe

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



51.5402, 31.1047, 43.8459



49.2783, 26.9490, 36.6333



75.1300, 87.7119, 22.6452



17.6251, 17.3774, 19.8814



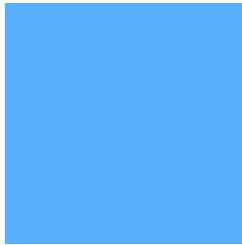
23.1644, 11.6815, 12.8398



2.1990, 1.1033, 1.4714

Previews

White Background



This preview shows how the XYZ color 37.1171, 39.8619, 97.8333 looks on a white background.

Color Contrast Check

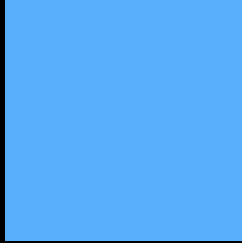
Large Text (above 18pt) WCAG AA × Fail

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 37.1171, 39.8619, 97.8333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

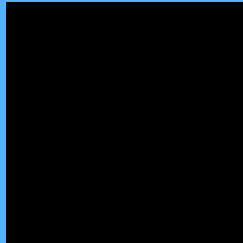
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

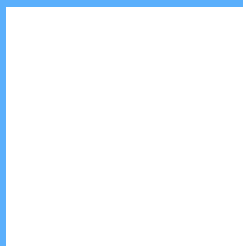
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1171, 39.8619, 97.8333

Background



This preview shows how black text looks on a background with the XYZ color 37.1171, 39.8619, 97.8333.



This preview shows how white text looks on a background with the XYZ color 37.1171, 39.8619,

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

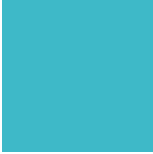
37.1171, 39.8619, 97.8333

Protanopia

41.2930, 39.6437, 91.0636

Deuteranopia

40.9453, 39.8281, 99.2955



Tritanopia

29.7609, 39.8922, 60.7750

Trichromacy



Original Color

37.1171, 39.8619, 97.8333

Protanomaly

39.2886, 39.3764, 93.5254

Deuteranomaly

39.3628, 39.8625, 98.5481

Tritanomaly

31.9825, 39.5399, 72.9641

Monochromacy



Original Color

37.1171, 39.8619, 97.8333

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.4628, 35.3432, 54.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1171, 39.8619, 97.8333 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(90, 175, 252)` looks like.

```
.text, #text, p{  
    color:rgb(90, 175, 252)  
}
```

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(90, 175, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 175, 252) }
```

Border

The CSS property to change the border of an element to XYZ 37.1171, 39.8619, 97.8333 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(90, 175, 252) }
```


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

```
.border{ border-color:rgb(90, 175, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 175, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 175, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 175, 252);  
box-shadow:4px 4px 4px 4px rgb(90, 175,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1171, 39.8619, 97.8333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 175, 252) }
```

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

```
.background{ background-color: rgb(90, 175,  
252) }
```

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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