

Converting Colors

XYZ(39.0220, 36.9467, 59.4043)

Have a look what the booklet for
XYZ(39.0220, 36.9467, 59.4043)
contains.

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Color

**XYZ(39.1132, 37.1233,
59.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9EC7
RGB	170, 158, 199
RGB Percent	67%, 62%, 78%
CMY	0.3333, 0.3804, 0.2196
CMYK	0.15, 0.21, 0.00, 0.22
HSL	258°, 27%, 70%
HSV	258°, 21%, 78%
XYZ	39.1132, 37.1233, 59.1369
YIQ	166.2620, -6.0090, 15.2950

Conversions

Conversions Part 2

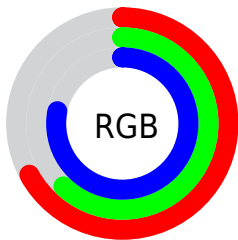
Format	Color
R_{YB}	170, 158, 199
Decimal	11181767
CIE _{Lab}	67.37, 12.55, -19.44
CIE _{LCh}	67, 23.139, 302.856
Yxy	37.1233, 0.2889, 0.2742
Android (android.graphics.Color)	4289371847 (0xFFAA9EC7)
YUV	166.2620, 16.1398, 3.2782
Hunter-Lab	60.9289, 7.9622, -14.8960

Details

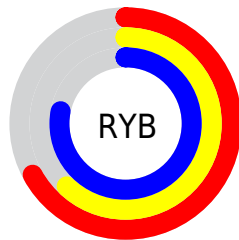
The XYZ color **39.1132, 37.1233, 59.1369** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.0899, 53.8813, 40.2677**, and the grayscale version is **36.2996, 38.1900, 41.5889**.

A 20% lighter version of the original color is **73.2083, 70.9773, 104.4492**, and **17.7046, 16.3416, 29.0092** is the 20% darker color. If you saturate the color by 10%, you get **33.1081, 29.3908, 57.9615**, and if you desaturate by 10%, it is **45.9961, 46.1261, 60.5124**.

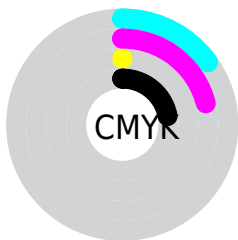
Distribution



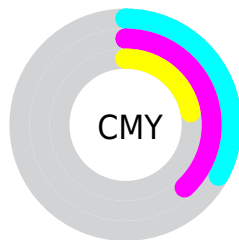
- Red (67%)
- Green (62%)
- Blue (78%)



- Red (67%)
- Yellow (62%)
- Blue (78%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1132, 37.1233, 59.1369 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 39.1132, 37.1233, 59.1369 by changing the saturation by 10% instead.

■ 39.1132, 37.1233,
59.1369

■ 39.1132, 37.1233,
59.1369

333.5704,
333.8440, 439.1251

■ 27.0289, 25.3030,
42.3026

■ 73.1042, 70.7624,
105.1077

■ 17.7316, 16.3029,
29.0110

■ 95.7416, 93.3499,
135.0812

■ 10.8560, 9.7388,
18.8435

122.6274,
120.2953, 170.2716

■ 6.0367, 5.2261,
11.3816

154.1270,
151.9830, 211.0974

■ 2.9083, 2.3805,
6.2067

190.6058,
188.7973, 257.9771

■ 1.1054, 0.8158,
2.9004

232.4290,

■ 0.0297, 0.0000,

231.1226, 311.3292

1.0440

279.9621,
279.3434, 371.5724

■ 0.0000, 0.0000,
0.0000

■ 39.1132, 37.1233,
59.1369

■ 39.1132, 37.1233,
59.1369

■ 33.1081, 29.3908,
57.9615

■ 45.9961, 46.1261,
60.5124

■ 27.9408, 22.8659,
56.9744

■ 53.7877, 56.4490,
62.0943

■ 23.5730, 17.4874,
56.1664

■ 62.5216, 68.1444,
63.8914

■ 19.9620, 13.1869,
55.5267

■ 72.2288, 81.2609,
65.9115

■ 17.0611, 9.8884,
55.0429

■ 82.1344, 94.2360,
67.8939

■ 14.8173, 7.5055,
54.7012

■ 87.1105, 96.8013,
68.1268

■ 13.1697, 5.9367,
54.4852

■ 87.3089, 96.9036,
68.1361

■ 12.0677, 5.0302,
54.3684

Harmonies

Analogous

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



35.6252, 37.1233, 63.2204



39.1132, 37.1233, 59.1369



41.7042, 37.1233, 49.9972

Triad

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



39.1132, 37.1233, 59.1369



38.4866, 37.1233, 25.4196



28.9053, 37.1233, 41.4013

Complementary

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



39.1132, 37.1233, 59.1369



47.0899, 53.8813, 40.2677

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.



29.5601, 37.1233, 32.1529



39.1132, 37.1233, 59.1369



34.9461, 37.1233, 23.8909

Square

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



39.1132, 37.1233, 59.1369



41.3257, 37.1233, 30.7284



31.7143, 37.1233, 26.1401



29.8629, 37.1233, 51.9634

Rectangle

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



39.1132, 37.1233, 59.1369



42.4891, 37.1233, 42.8977



31.7143, 37.1233, 26.1401



28.9443, 37.1233, 38.0414

Sweetspot

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



39.1144, 37.1248, 59.1377



86.4917, 88.6286, 107.1562



42.2624, 47.0974, 60.8967



18.3212, 18.7166, 22.8970



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.



39.1144, 37.1248, 59.1377



63.2871, 58.2786, 102.5211



43.8012, 39.5410, 59.3571



10.3435, 10.4353, 13.3866



7.8364, 3.2741, 34.9633



0.4447, 0.1930, 1.6590

Inverse Universe

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



44.7510, 40.1853, 52.4134



75.1157, 64.7069, 88.1495



42.5080, 51.5192, 40.0533



10.9457, 10.7617, 12.6973



18.2651, 9.0556, 17.1379



0.8953, 0.4410, 0.9720

Previews

White Background



This preview shows how the XYZ color 39.1132, 37.1233, 59.1369 looks on a white background.

Color Contrast Check

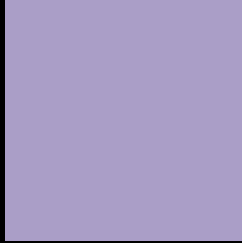
Large Text (above 18pt) WCAG AA × Fail

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 39.1132, 37.1233, 59.1369 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 39.1132, 37.1233, 59.1369

Background



This preview shows how black text looks on a background with the XYZ color 39.1132, 37.1233, 59.1369.



This preview shows how white text looks on a background with the XYZ color 39.1132, 37.1233,

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

39.1132, 37.1233, 59.1369

Protanopia

37.0986, 37.0735, 61.0777

Deuteranopia

37.9839, 37.0517, 59.1826



Tritanopia

36.3841, 37.0428, 45.7898

Trichromacy



Original Color

39.1132, 37.1233, 59.1369

Protanomaly

37.7847, 37.1804, 60.4434

Deuteranomaly

38.4328, 37.0268, 59.1541

Tritanomaly

37.3329, 37.1659, 50.5535

Monochromacy



Original Color

39.1132, 37.1233, 59.1369

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.0694, 37.6242, 47.4279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1132, 37.1233, 59.1369 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(170, 158, 199)` looks like.

```
.text, #text, p{  
    color:rgb(170, 158, 199)  
}
```

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(170, 158, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 158, 199) }
```

Border

The CSS property to change the border of an element to XYZ 39.1132, 37.1233, 59.1369 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(170, 158, 199) }
```


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

```
.border{ border-color:rgb(170, 158, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 158, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 158, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 158, 199);  
box-shadow:4px 4px 4px 4px rgb(170, 158,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1132, 37.1233, 59.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 158, 199) }
```

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

```
.background{ background-color: rgb(170,  
158, 199) }
```

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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