

Converting Colors

XYZ(39.9633, 37.1419, 66.6908)

Have a look what the booklet for
XYZ(39.9633, 37.1419, 66.6908)
contains.

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Color

**XYZ(39.9633, 37.1419,
66.6908)**

Conversions

Conversions Part 1

Format	Color
Hex	A89DD3
RGB	168, 157, 211
RGB Percent	66%, 62%, 83%
CMY	0.3412, 0.3843, 0.1725
CMYK	0.20, 0.26, 0.00, 0.17
HSL	252°, 38%, 72%
HSV	252°, 26%, 83%
XYZ	39.9633, 37.1419, 66.6908
YIQ	166.4450, -10.7780, 19.1260

Conversions

Conversions Part 2

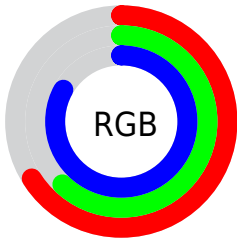
Format	Color
RYB	168, 157, 211
Decimal	11050451
CIELab	67.38, 15.17, -26.09
CIELCh	67, 30.175, 300.178
Yxy	37.1419, 0.2779, 0.2583
Android (android.graphics.Color)	4289240531 (0xFFA89DD3)
YUV	166.4450, 21.9656, 1.3637
Hunter-Lab	60.9442, 10.3967, -22.2198

Details

The XYZ color **39.9633, 37.1419, 66.6908** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.2005, 61.3030, 40.9285**, and the grayscale version is **36.3625, 38.2562, 41.6610**.

A 20% lighter version of the original color is **72.3340, 70.1543, 104.3365**, and **18.2250, 16.3532, 33.6484** is the 20% darker color. If you saturate the color by 10%, you get **33.3483, 28.8828, 65.4459**, and if you desaturate by 10%, it is **47.6595, 46.8752, 68.1645**.

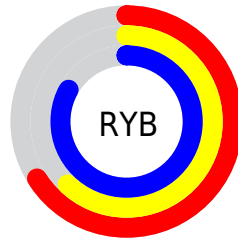
Distribution



Red (66%)

Green (62%)

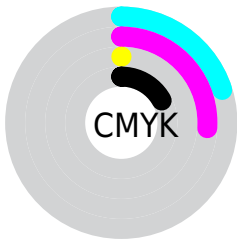
Blue (83%)



Red (66%)

Yellow (62%)

Blue (83%)

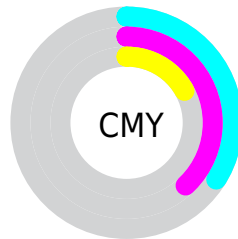


Cyan (20%)

Magenta (26%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (38%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9633, 37.1419, 66.6908 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 39.9633, 37.1419, 66.6908 by changing the saturation by 10% instead.

■ 39.9633, 37.1419,
66.6908

■ 39.9633, 37.1419,
66.6908

337.1059,
333.9245, 467.3149

■ 27.6940, 25.3174,
48.3734

■ 74.3923, 70.7910,
116.1137

■ 18.2344, 16.3137,
33.7606

■ 97.2828, 93.3843,
148.0562

■ 11.2191, 9.7464,
22.4339

124.4443,
120.3360, 185.3775

■ 6.2828, 5.2311,
13.9747

156.2423,
152.0306, 228.4962

■ 3.0601, 2.3835,
7.9645

193.0421,
188.8523, 277.8307

■ 1.1856, 0.8174,
3.9848

235.2091,

■ 0.0950, 0.0000,

231.1856, 333.7996

1.6170

283.1086,
279.4148, 396.8215

■ 0.0000, 0.0000,
0.3029

■ 0.0000, 0.0000,
0.0000

■ 39.9633, 37.1419,
66.6908

■ 39.9633, 37.1419,
66.6908

■ 33.3483, 28.8828,
65.4459

■ 47.6595, 46.8752,
68.1645

■ 27.7614, 22.0210,
64.4159

■ 56.4791, 58.1456,
69.8751

■ 23.1508, 16.4792,
63.5892

■ 66.4668, 71.0177,
71.8332

■ 19.4583, 12.1711,
62.9523

■ 77.6636, 85.5512,
74.0483

■ 16.6193, 8.9995,
62.4897

■ 87.6676, 96.9211,
75.7157

■ 14.5603, 6.8523,
62.1838

■ 88.7580, 97.4832,
75.7667

■ 13.1935, 5.5931,
62.0128

■ 12.7534, 5.2163,
61.9633

Harmonies

Analogous

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



35.3299, 37.1419, 71.6250



39.9633, 37.1419, 66.6908



43.5920, 37.1419, 54.4730

Triad

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



39.9633, 37.1419, 66.6908



39.9113, 37.1419, 22.1272



27.1363, 37.1419, 40.5204

Complementary

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



39.9633, 37.1419, 66.6908



53.2005, 61.3030, 40.9285

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.



28.1363, 37.1419, 29.0532



39.9633, 37.1419, 66.6908



35.2746, 37.1419, 19.9472

Square

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



39.9633, 37.1419, 66.6908



43.5602, 37.1419, 28.9434



31.0185, 37.1419, 22.1802



28.1601, 37.1419, 54.6404

Rectangle

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



39.9633, 37.1419, 66.6908



44.8084, 37.1419, 44.9426



31.0185, 37.1419, 22.1802



27.2457, 37.1419, 36.2509

Sweetspot

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



39.9645, 37.1434, 66.6916



83.1580, 84.7160, 106.5767



46.3642, 53.2736, 69.4678



17.3486, 17.5559, 22.7242



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.



39.9645, 37.1434, 66.6916



55.3169, 49.4643, 101.2398



46.2700, 40.3940, 66.9867



11.3854, 11.5320, 14.8695



7.7649, 3.1832, 37.3977



0.5008, 0.2123, 2.0942

Inverse Universe

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



49.3473, 42.1344, 60.1766



72.3204, 58.5170, 89.0656



46.6590, 57.9308, 40.6224



12.2033, 11.9661, 14.3465



20.5167, 10.0795, 23.4251



1.1739, 0.5743, 1.4506

Previews

White Background



This preview shows how the XYZ color 39.9633, 37.1419, 66.6908 looks on a white background.

Color Contrast Check

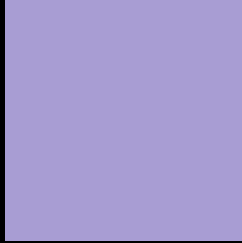
Large Text (above 18pt) WCAG AA × Fail

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 39.9633, 37.1419, 66.6908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

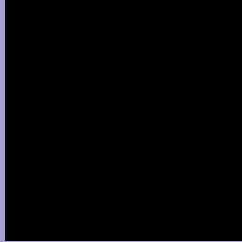
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9633, 37.1419, 66.6908

Background



This preview shows how black text looks on a background with the XYZ color 39.9633, 37.1419, 66.6908.



This preview shows how white text looks on a background with the XYZ color 39.9633, 37.1419,

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

39.9633, 37.1419, 66.6908

Protanopia

37.7637, 37.2310, 69.4859

Deuteranopia

38.0880, 37.2108, 66.1477



Tritanopia

35.8340, 37.0104, 46.3294

Trichromacy



Original Color

39.9633, 37.1419, 66.6908

Protanomaly

38.6130, 37.1647, 68.7567

Deuteranomaly

38.7009, 37.2683, 66.1265

Tritanomaly

37.2400, 37.0564, 53.3339

Monochromacy



Original Color

39.9633, 37.1419, 66.6908

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.4770, 37.7873, 49.5744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9633, 37.1419, 66.6908 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(168, 157, 211)` looks like.

```
.text, #text, p{  
    color:rgb(168, 157, 211)  
}
```

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(168, 157, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 157, 211) }
```

Border

The CSS property to change the border of an element to XYZ 39.9633, 37.1419, 66.6908 is called "border". The border property can be set on classes, ids or directly on the HTML element.

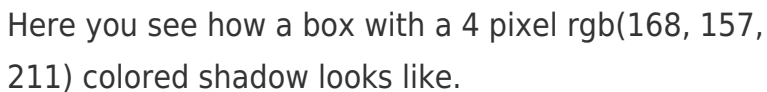
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 157, 211) }
```


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

```
.border{ border-color:rgb(168, 157, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 157, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 157, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 157, 211); box-shadow:4px 4px 4px 4px rgb(168, 157, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9633, 37.1419, 66.6908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 157, 211) }
```

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

```
.background{ background-color: rgb(168,  
157, 211) }
```

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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