

Converting Colors

XYZ(38.9464, 37.4474, 63.0294)

Have a look what the booklet for
XYZ(38.9464, 37.4474, 63.0294)
contains.

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Color

**XYZ(38.9001, 37.4419,
62.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A0CD
RGB	164, 160, 205
RGB Percent	64%, 63%, 80%
CMY	0.3569, 0.3725, 0.1961
CMYK	0.20, 0.22, 0.00, 0.20
HSL	245°, 31%, 72%
HSV	245°, 22%, 80%
XYZ	38.9001, 37.4419, 62.9344
YIQ	166.3260, -12.0610, 14.8430

Conversions

Conversions Part 2

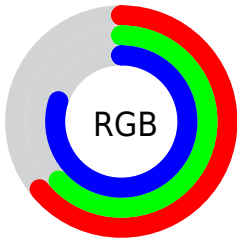
Format	Color
RYB	164, 160, 205
Decimal	10789069
CIELab	67.61, 10.85, -22.45
CIELCh	68, 24.934, 295.800
Yxy	37.4419, 0.2793, 0.2688
Android (android.graphics.Color)	4288979149 (0xFFA4A0CD)
YUV	166.3260, 19.0663, -2.0399
Hunter-Lab	61.1898, 6.3954, -18.1476

Details

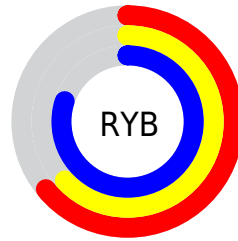
The XYZ color **38.9001, 37.4419, 62.9344** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.2651, 58.6192, 41.8193**, and the grayscale version is **36.3190, 38.2104, 41.6111**.

A 20% lighter version of the original color is **71.5639, 70.8809, 104.5173**, and **17.7366, 16.6164, 31.5506** is the 20% darker color. If you saturate the color by 10%, you get **32.0595, 29.0684, 61.6793**, and if you desaturate by 10%, it is **46.8952, 47.2822, 64.4130**.

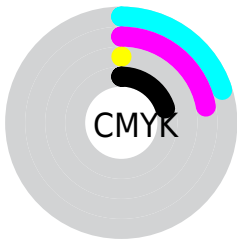
Distribution



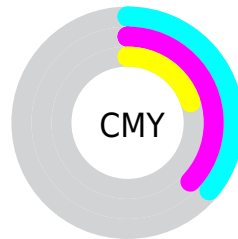
- Red (64%)
- Green (63%)
- Blue (80%)



- Red (64%)
- Yellow (63%)
- Blue (80%)



- Cyan (20%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9001, 37.4419, 62.9344 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 38.9001, 37.4419, 62.9344 by changing the saturation by 10% instead.

■ 38.9001, 37.4419,
62.9344

■ 38.9001, 37.4419,
62.9344

332.6801,
335.2198, 453.4328

■ 26.8624, 25.5498,
45.3475

■ 72.7807, 71.2519,
110.6595

■ 17.6060, 16.4872,
31.3863

■ 95.3544, 93.9386,
141.6348

■ 10.7654, 9.8695,
20.6322

122.1707,
120.9923, 177.9100

■ 5.9755, 5.3125,
12.6668

153.5950,
152.7975, 219.9035

■ 2.8707, 2.4318,
7.0715

189.9928,
189.7384, 268.0341

■ 1.0857, 0.8422,
3.4277

231.7293,

■ 0.0131, 0.0000,

232.1995, 322.7201

1.3170

279.1700,
280.5651, 384.3801

■ 0.0000, 0.0000,
0.0756

■ 0.0000, 0.0000,
0.0000

■ 38.9001, 37.4419,
62.9344

■ 38.9001, 37.4419,
62.9344

■ 32.0595, 29.0684,
61.6793

■ 46.8952, 47.2822,
64.4130

■ 26.3165, 22.0871,
60.6345

■ 56.0911, 58.6502,
66.1226

■ 21.6148, 16.4238,
59.7891

■ 66.5358, 71.6087,
68.0733

■ 17.8918, 11.9952,
59.1306

■ 78.2736, 86.2157,
70.2741

■ 15.0777, 8.7090,
58.6446

■ 88.0196, 97.1878,
71.8783

■ 13.0939, 6.4594,
58.3149

■ 11.8477, 5.1210,
58.1223

■ 11.2731, 4.5385,
58.0401

Harmonies

Analogous

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



35.0491, 37.4419, 65.7151



38.9001, 37.4419, 62.9344



42.0531, 37.4419, 53.8525

Triad

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



38.9001, 37.4419, 62.9344



39.9030, 37.4419, 25.6547



28.7171, 37.4419, 39.2379

Complementary

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



38.9001, 37.4419, 62.9344



52.2651, 58.6192, 41.8193

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.



29.8209, 37.4419, 29.9954



38.9001, 37.4419, 62.9344



36.1312, 37.4419, 23.0999

Square

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



38.9001, 37.4419, 62.9344



42.6607, 37.4419, 32.2363



32.4683, 37.4419, 24.5336



29.3426, 37.4419, 50.6857

Rectangle

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



38.9001, 37.4419, 62.9344



43.2395, 37.4419, 46.1808



32.4683, 37.4419, 24.5336



28.8959, 37.4419, 35.7953

Sweetspot

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



38.9013, 37.4434, 62.9352



83.8852, 86.1801, 106.8209



46.4628, 53.7723, 65.6885



17.7590, 18.2040, 22.8277



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.



38.9013, 37.4434, 62.9352



58.5834, 55.0340, 102.1427



43.9020, 40.0214, 63.1693



10.6927, 10.8909, 14.1090



7.0526, 2.8433, 36.1334



0.3964, 0.1635, 1.8656

Inverse Universe

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



48.2914, 42.3393, 60.8869



76.4889, 64.3726, 98.1049



46.7103, 55.7556, 41.5593



11.6429, 11.3859, 13.9200



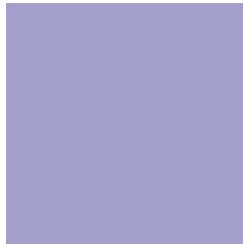
21.2611, 10.3150, 30.1574



1.1097, 0.5373, 1.6237

Previews

White Background



This preview shows how the XYZ color 38.9001, 37.4419, 62.9344 looks on a white background.

Color Contrast Check

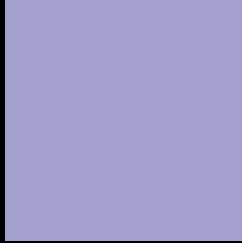
Large Text (above 18pt) WCAG AA × Fail

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 38.9001, 37.4419, 62.9344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

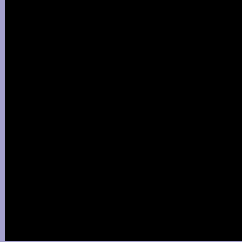
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9001, 37.4419, 62.9344

Background



This preview shows how black text looks on a background with the XYZ color 38.9001, 37.4419, 62.9344.



This preview shows how white text looks on a background with the XYZ color 38.9001, 37.4419,

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

38.9001, 37.4419, 62.9344

Protanopia

37.6861, 37.5694, 64.2968

Deuteranopia

38.2615, 37.3711, 62.9544



Tritanopia

35.7891, 37.4955, 47.4706

Trichromacy



Original Color

38.9001, 37.4419, 62.9344

Protanomaly

38.1615, 37.5660, 63.6322

Deuteranomaly

38.4623, 37.4746, 62.9637

Tritanomaly

36.8722, 37.4023, 52.8529

Monochromacy



Original Color

38.9001, 37.4419, 62.9344

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.0307, 37.8455, 48.5332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9001, 37.4419, 62.9344 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(164, 160, 205)` looks like.

```
.text, #text, p{  
    color:rgb(164, 160, 205)  
}
```

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(164, 160, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 160, 205) }
```

Border

The CSS property to change the border of an element to XYZ 38.9001, 37.4419, 62.9344 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(164, 160, 205) }
```


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

```
.border{ border-color:rgb(164, 160, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 160, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 160, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 160, 205);  
box-shadow:4px 4px 4px 4px rgb(164, 160,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9001, 37.4419, 62.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 160, 205) }
```

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

```
.background{ background-color: rgb(164,  
160, 205) }
```

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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