

Converting Colors

XYZ(40.7561, 37.3642, 67.4957)

Have a look what the booklet for
XYZ(40.7561, 37.3642, 67.4957)
contains.

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Color

**XYZ(40.5667, 37.1883,
67.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9CD4
RGB	171, 156, 212
RGB Percent	67%, 61%, 83%
CMY	0.3294, 0.3882, 0.1686
CMYK	0.19, 0.26, 0.00, 0.17
HSL	256°, 39%, 72%
HSV	256°, 26%, 83%
XYZ	40.5667, 37.1883, 67.3273
YIQ	166.8690, -9.0360, 20.5960

Conversions

Conversions Part 2

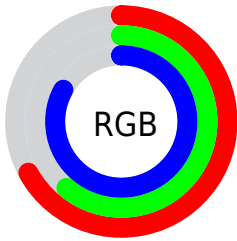
Format	Color
RYB	171, 156, 212
Decimal	11246804
CIELab	67.42, 16.89, -26.56
CIELCh	67, 31.482, 302.457
Yxy	37.1883, 0.2796, 0.2563
Android (android.graphics.Color)	4289436884 (0xFFAB9CD4)
YUV	166.8690, 22.2496, 3.6229
Hunter-Lab	60.9822, 12.0232, -22.7715

Details

The XYZ color **40.5667, 37.1883, 67.3273** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.5713, 61.3585, 40.5266**, and the grayscale version is **36.5662, 38.4704, 41.8943**.

A 20% lighter version of the original color is **73.0228, 70.1394, 104.2973**, and **18.6086, 16.3890, 34.0809** is the 20% darker color. If you saturate the color by 10%, you get **34.1303, 29.0429, 66.0949**, and if you desaturate by 10%, it is **48.0234, 46.7832, 68.7869**.

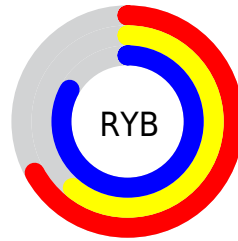
Distribution



Red (67%)

Green (61%)

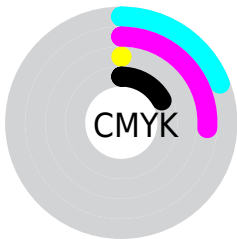
Blue (83%)



Red (67%)

Yellow (61%)

Blue (83%)

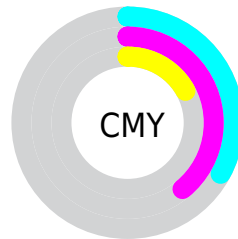


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (39%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5667, 37.1883, 67.3273 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 40.5667, 37.1883, 67.3273 by changing the saturation by 10% instead.

■ 40.5667, 37.1883,
67.3273

■ 40.5667, 37.1883,
67.3273

339.6000,
334.1250, 469.6421

■ 28.1668, 25.3533,
48.8874

■ 75.3046, 70.8623,
117.0344

■ 18.5926, 16.3405,
34.1652

■ 98.3733, 93.4701,
149.1386

■ 11.4785, 9.7654,
22.7421

125.7290,
120.4376, 186.6347

■ 6.4593, 5.2437,
14.1997

157.7371,
152.1493, 229.9412

■ 3.1696, 2.3909,
8.1194

194.7628,
188.9895, 279.4767

■ 1.2441, 0.8212,
4.0826

237.1717,

■ 0.1408, 0.0000,

231.3425, 335.6596

1.6707

285.3289,
279.5929, 398.9086

■ 0.0000, 0.0000,
0.3406

■ 0.0000, 0.0000,
0.0000

■ 40.5667, 37.1883,
67.3273

■ 40.5667, 37.1883,
67.3273

■ 34.1303, 29.0429,
66.0949

■ 48.0234, 46.7832,
68.7869

■ 28.6647, 22.2707,
65.0758

■ 56.5398, 57.8894,
70.4818

■ 24.1214, 16.7956,
64.2585

■ 66.1574, 70.5710,
72.4226

■ 20.4462, 12.5317,
63.6292

■ 76.9144, 84.8867,
74.6189

■ 17.5787, 9.3827,
63.1725

■ 86.5721, 96.3418,
76.3209

■ 15.4497, 7.2369,
62.8705

■ 88.8838, 97.5335,
76.4291

■ 13.9749, 5.9540,
62.7006

■ 13.5588, 5.6170,
62.6575

Harmonies

Analogous

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



35.7458, 37.1883, 73.2901



40.5667, 37.1883, 67.3273



44.2341, 37.1883, 54.0740

Triad

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



40.5667, 37.1883, 67.3273



39.8158, 37.1883, 21.1953



26.8583, 37.1883, 41.6421

Complementary

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



40.5667, 37.1883, 67.3273



52.5713, 61.3585, 40.5266

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.



27.7368, 37.1883, 29.3986



40.5667, 37.1883, 67.3273



34.9499, 37.1883, 19.3125

Square

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



40.5667, 37.1883, 67.3273



43.7736, 37.1883, 27.8327



30.5943, 37.1883, 21.9442



28.0767, 37.1883, 56.5033

Rectangle

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



40.5667, 37.1883, 67.3273



45.3724, 37.1883, 44.0837



30.5943, 37.1883, 21.9442



26.9181, 37.1883, 37.1004

Sweetspot

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



40.5679, 37.1898, 67.3281



83.6009, 84.9443, 106.5974



45.5765, 51.7853, 69.8814



17.4594, 17.6130, 22.7294



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.



40.5679, 37.1898, 67.3281



55.6423, 48.8970, 101.1131



47.3087, 40.6648, 67.6436



12.0515, 12.1680, 15.6510



8.4524, 3.5099, 38.6851



0.5887, 0.2524, 2.3370

Inverse Universe

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



49.1190, 41.8066, 58.3053



70.9889, 57.1922, 84.4962



45.9219, 57.9306, 40.2154



12.8044, 12.5733, 14.9104



20.4693, 10.1240, 20.3070



1.2682, 0.6241, 1.4016

Previews

White Background



This preview shows how the XYZ color 40.5667, 37.1883, 67.3273 looks on a white background.

Color Contrast Check

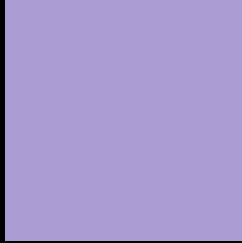
Large Text (above 18pt) WCAG AA × Fail

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 40.5667, 37.1883, 67.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

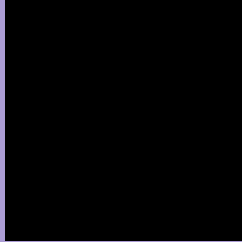
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5667, 37.1883, 67.3273

Background



This preview shows how black text looks on a background with the XYZ color 40.5667, 37.1883, 67.3273.



This preview shows how white text looks on a background with the XYZ color 40.5667, 37.1883,

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

40.5667, 37.1883, 67.3273

Protanopia

37.8391, 37.2400, 70.8393

Deuteranopia

38.0203, 37.1614, 66.7970



Tritanopia

36.4507, 37.3283, 46.3582

Trichromacy



Original Color

40.5667, 37.1883, 67.3273

Protanomaly

38.7412, 37.2160, 69.4315

Deuteranomaly

38.8540, 37.0765, 66.7367

Tritanomaly

37.6925, 37.0312, 53.3052

Monochromacy



Original Color

40.5667, 37.1883, 67.3273

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.7929, 37.9381, 50.1306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5667, 37.1883, 67.3273 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(171, 156, 212)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 212)  
}
```

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(171, 156, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.5667, 37.1883, 67.3273 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(171, 156, 212) }
```


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

```
.border{ border-color:rgb(171, 156, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 156, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 156, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 156, 212);  
box-shadow:4px 4px 4px 4px rgb(171, 156,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5667, 37.1883, 67.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 156, 212) }
```

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

```
.background{ background-color: rgb(171,  
156, 212) }
```

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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