

Converting Colors

XYZ(40.6001, 37.3966, 70.0442)

Have a look what the booklet for XYZ(40.6001, 37.3966, 70.0442) contains.

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Color

**XYZ(40.6001, 37.3966,
70.0442)**

Conversions

Conversions Part 1

Format	Color
Hex	A89DD8
RGB	168, 157, 216
RGB Percent	66%, 62%, 85%
CMY	0.3412, 0.3843, 0.1529
CMYK	0.22, 0.27, 0.00, 0.15
HSL	251°, 43%, 73%
HSV	251°, 27%, 85%
XYZ	40.6001, 37.3966, 70.0442
YIQ	167.0150, -12.3830, 20.6810

Conversions

Conversions Part 2

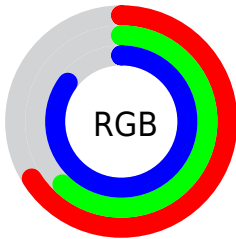
Format	Color
RYB	168, 157, 216
Decimal	11050456
CIELab	67.57, 16.33, -28.56
CIELCh	68, 32.896, 299.759
Yxy	37.3966, 0.2742, 0.2526
Android (android.graphics.Color)	4289240536 (0xFFA89DD8)
YUV	167.0150, 24.1496, 0.8638
Hunter-Lab	61.1528, 11.4911, -25.1037

Details

The XYZ color **40.6001, 37.3966, 70.0442** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.8195, 64.5261, 41.4126**, and the grayscale version is **36.6293, 38.5369, 41.9667**.

A 20% lighter version of the original color is **72.3340, 70.1543, 104.3365**, and **18.6573, 16.5261, 35.9247** is the 20% darker color. If you saturate the color by 10%, you get **33.7720, 28.9235, 68.7692**, and if you desaturate by 10%, it is **48.5823, 47.4254, 71.5599**.

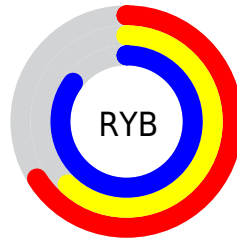
Distribution



Red (66%)

Green (62%)

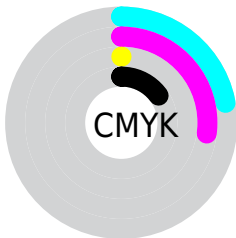
Blue (85%)



Red (66%)

Yellow (62%)

Blue (85%)

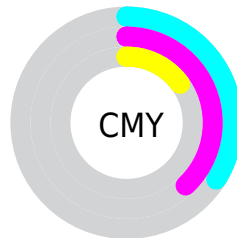


Cyan (22%)

Magenta (27%)

Yellow (0%)

Black (15%)



Cyan (34%)

Magenta (38%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6001, 37.3966, 70.0442 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 40.6001, 37.3966, 70.0442 by changing the saturation by 10% instead.

■ 40.6001, 37.3966,
70.0442

■ 40.6001, 37.3966,
70.0442

339.7377,
335.0244, 479.4985

■ 28.1930, 25.5147,
51.0855

■ 75.3550, 71.1823,
120.9535

■ 18.6124, 16.4609,
35.8995

■ 98.4336, 93.8550,
153.7412

■ 11.4929, 9.8509,
24.0675

125.8000,
120.8933, 191.9757

■ 6.4691, 5.3002,
15.1710

157.8196,
152.6818, 236.0755

■ 3.1757, 2.4245,
8.7916

194.8579,
189.6047, 286.4591

■ 1.2474, 0.8384,
4.5105

237.2801,

■ 0.1433, 0.0000,

232.0465, 343.5451

1.9094

285.4515,
280.3916, 407.7521

■ 0.0000, 0.0000,
0.4987

■ 0.0000, 0.0000,
0.0000

■ 40.6001, 37.3966,
70.0442

■ 40.6001, 37.3966,
70.0442

■ 33.7720, 28.9235,
68.7692

■ 48.5823, 47.4254,
71.5599

■ 28.0401, 21.9231,
67.7201

■ 57.7654, 59.0782,
73.3251

■ 23.3471, 16.3115,
66.8843

■ 68.1981, 72.4247,
75.3514

■ 19.6287, 11.9946,
66.2471

■ 79.9253, 87.5293,
77.6487

■ 16.8131, 8.8662,
65.7916

■ 89.3948, 97.7379,
79.1201

■ 14.8182, 6.8028,
65.4985

■ 13.5396, 5.6416,
65.3417

■ 13.2804, 5.4145,
65.3116

Harmonies

Analogous

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



35.5034, 37.3966, 75.4578



40.6001, 37.3966, 70.0442



44.6381, 37.3966, 56.4410

Triad

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



40.6001, 37.3966, 70.0442



40.6777, 37.3966, 21.0650



26.6688, 37.3966, 40.6013

Complementary

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



40.6001, 37.3966, 70.0442



55.8195, 64.5261, 41.4126

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.



27.7780, 37.3966, 28.2260



40.6001, 37.3966, 70.0442



35.5853, 37.3966, 18.7128

Square

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



40.6001, 37.3966, 70.0442



44.6858, 37.3966, 28.3855



30.9268, 37.3966, 20.9895



27.7433, 37.3966, 56.1888

Rectangle

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



40.6001, 37.3966, 70.0442



46.0139, 37.3966, 45.8807



30.9268, 37.3966, 20.9895



26.7971, 37.3966, 35.9588

Sweetspot

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



40.6013, 37.3981, 70.0451



83.0394, 84.6549, 106.5711



48.1756, 55.8774, 73.2127



17.3189, 17.5406, 22.7228



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.



40.6013, 37.3981, 70.0451



52.9654, 46.7959, 100.8487



47.5618, 40.9863, 70.3708



11.9565, 12.1190, 15.6465



7.9275, 3.2393, 38.6606



0.5437, 0.2292, 2.3349

Inverse Universe

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



51.3964, 43.1220, 63.3732



71.4006, 56.5796, 89.0605



48.4758, 60.7402, 41.0689



12.8491, 12.5911, 15.1456



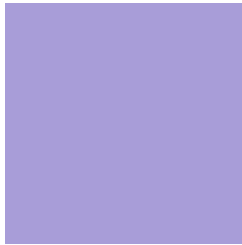
21.4219, 10.5051, 25.3237



1.3184, 0.6441, 1.6659

Previews

White Background



This preview shows how the XYZ color 40.6001, 37.3966, 70.0442 looks on a white background.

Color Contrast Check

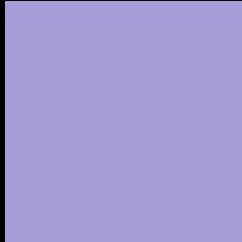
Large Text (above 18pt) WCAG AA × Fail

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 40.6001, 37.3966, 70.0442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

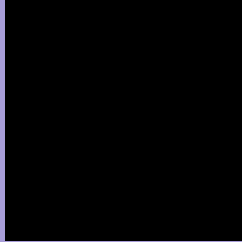
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6001, 37.3966, 70.0442

Background



This preview shows how black text looks on a background with the XYZ color 40.6001, 37.3966, 70.0442.



This preview shows how white text looks on a background with the XYZ color 40.6001, 37.3966,

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

40.6001, 37.3966, 70.0442

Protanopia

38.2282, 37.6576, 72.9639

Deuteranopia

38.3229, 37.5193, 69.5121



Tritanopia

35.9092, 37.3023, 46.9024

Trichromacy



Original Color

40.6001, 37.3966, 70.0442

Protanomaly

39.0486, 37.5728, 72.2120

Deuteranomaly

38.9371, 37.3170, 69.4407

Tritanomaly

37.4587, 37.1438, 54.4854

Monochromacy



Original Color

40.6001, 37.3966, 70.0442

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.7905, 37.9127, 51.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6001, 37.3966, 70.0442 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(168, 157, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 157, 216) }
```

Border

The CSS property to change the border of an element to XYZ 40.6001, 37.3966, 70.0442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

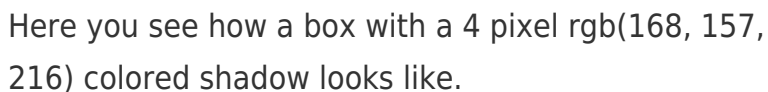
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 157, 216) }
```


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

```
.border{ border-color:rgb(168, 157, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 157, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 157, 216); box-shadow:4px 4px 4px 4px rgb(168, 157, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6001, 37.3966, 70.0442 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, 216) }
```

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

```
.background{ background-color: rgb(168,  
157, 216) }
```

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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