

Converting Colors

XYZ(40.6728, 36.7489, 67.2369)

Have a look what the booklet for
XYZ(40.6728, 36.7489, 67.2369)
contains.

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Color

**XYZ(40.6728, 36.7489,
67.2369)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9AD4
RGB	173, 154, 212
RGB Percent	68%, 60%, 83%
CMY	0.3216, 0.3961, 0.1686
CMYK	0.18, 0.27, 0.00, 0.17
HSL	260°, 40%, 72%
HSV	260°, 27%, 83%
XYZ	40.6728, 36.7489, 67.2369
YIQ	166.2930, -7.2940, 22.0660

Conversions

Conversions Part 2

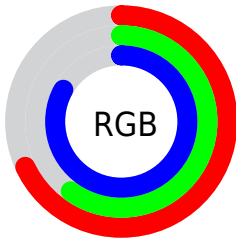
Format	Color
R_{YB}	173, 154, 212
Decimal	11377364
CIE _{Lab}	67.09, 18.64, -27.06
CIE _{LCh}	67, 32.859, 304.571
Yxy	36.7489, 0.2812, 0.2540
Android (android.graphics.Color)	4289567444 (0xFFAD9AD4)
YUV	166.2930, 22.5336, 5.8820
Hunter-Lab	60.6209, 13.6758, -23.3262

Details

The XYZ color **40.6728, 36.7489, 67.2369** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.3698, 60.7584, 39.5936**, and the grayscale version is **36.2851, 38.1747, 41.5723**.

A 20% lighter version of the original color is **72.9190, 68.9898, 104.0809**, and **18.6818, 16.1279, 34.0266** is the 20% darker color. If you saturate the color by 10%, you get **34.4923, 28.8199, 66.0328**, and if you desaturate by 10%, it is **47.8100, 46.0902, 68.6644**.

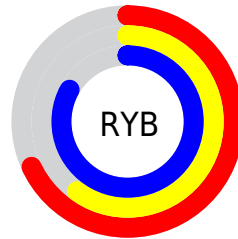
Distribution



Red (68%)

Green (60%)

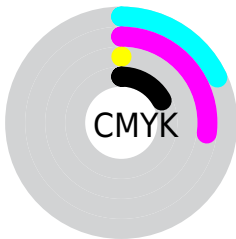
Blue (83%)



Red (68%)

Yellow (60%)

Blue (83%)

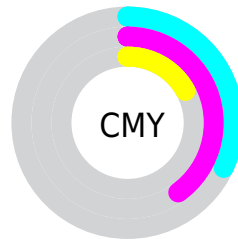


Cyan (18%)

Magenta (27%)

Yellow (0%)

Black (17%)



Cyan (32%)

Magenta (40%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6728, 36.7489, 67.2369 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 40.6728, 36.7489, 67.2369 by changing the saturation by 10% instead.

40.6728, 36.7489,
67.2369

40.6728, 36.7489,
67.2369

340.0372,
332.2221, 469.3120

28.2500, 25.0131,
48.8144

75.4648, 70.1864,
116.9037

18.6556, 16.0868,
34.1077

98.5647, 92.6570,
148.9850

11.5243, 9.5856,
22.6983

125.9545,
119.4746, 186.4563

6.4905, 5.1251,
14.1677

157.9993,
151.0236, 229.7362

3.1890, 2.3208,
8.0973

195.0647,
187.6885, 279.2431

1.2545, 0.7847,
4.0686

237.5159,

0.1488, 0.0000,

229.8536, 335.3957

1.6631

285.7183,
277.9034, 398.6125

■ 0.0000, 0.0000,
0.3352

■ 0.0000, 0.0000,
0.0000

■ 40.6728, 36.7489,
67.2369

■ 40.6728, 36.7489,
67.2369

■ 34.4923, 28.8199,
66.0328

■ 47.8100, 46.0902,
68.6644

■ 29.2218, 22.2281,
65.0382

■ 55.9405, 56.9046,
70.3232

■ 24.8161, 16.8985,
64.2417

■ 65.1032, 69.2549,
72.2242

■ 21.2242, 12.7464,
63.6296

■ 75.3338, 83.1988,
74.3764

■ 18.3891, 9.6764,
63.1865

■ 85.0491, 95.5567,
76.2497

■ 16.2456, 7.5773,
62.8943

■ 88.8838, 97.5335,
76.4291

■ 14.7084, 6.3000,
62.7287

■ 14.3697, 6.0351,
62.6955

Harmonies

Analogous

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



35.7004, 36.7489, 74.2129



40.6728, 36.7489, 67.2369



44.3505, 36.7489, 53.0389

Triad

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



40.6728, 36.7489, 67.2369



39.2217, 36.7489, 19.9426



26.1951, 36.7489, 42.2477

Complementary

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



40.6728, 36.7489, 67.2369



51.3698, 60.7584, 39.5936

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.



26.9458, 36.7489, 29.3166



40.6728, 36.7489, 67.2369



34.1682, 36.7489, 18.3643

Square

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



40.6728, 36.7489, 67.2369



43.4582, 36.7489, 26.3353



29.7526, 36.7489, 21.3538



27.5953, 36.7489, 57.7580

Rectangle

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



40.6728, 36.7489, 67.2369



45.4003, 36.7489, 42.6755



29.7526, 36.7489, 21.3538



26.2055, 36.7489, 37.4642

Sweetspot

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



40.6740, 36.7504, 67.2377



84.0161, 85.1584, 106.6168



44.4216, 50.0453, 69.6064



17.5634, 17.6666, 22.7343



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.



40.6740, 36.7504, 67.2377



55.9829, 48.3514, 100.9899



47.6265, 40.3345, 67.5631



12.1219, 12.2043, 15.6543



8.9654, 3.7743, 38.7091



0.6267, 0.2720, 2.3388

Inverse Universe

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



48.3338, 40.9600, 55.8122



69.6998, 55.8993, 80.1042



44.8183, 57.3810, 39.2870



12.7720, 12.5603, 14.7395



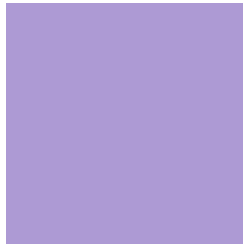
19.8498, 9.8762, 17.0449



1.2346, 0.6106, 1.2249

Previews

White Background



This preview shows how the XYZ color 40.6728, 36.7489, 67.2369 looks on a white background.

Color Contrast Check

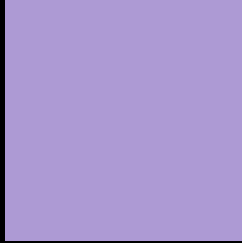
Large Text (above 18pt) WCAG AA × Fail

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 40.6728, 36.7489, 67.2369 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 40.6728, 36.7489, 67.2369

Background



This preview shows how black text looks on a background with the XYZ color 40.6728, 36.7489, 67.2369.



This preview shows how white text looks on a background with the XYZ color 40.6728, 36.7489,

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

40.6728, 36.7489, 67.2369

Protanopia

37.4820, 36.7954, 70.7723

Deuteranopia

37.6551, 36.7148, 66.7300



Tritanopia

36.1107, 36.6527, 45.2158

Trichromacy



Original Color

40.6728, 36.7489, 67.2369

Protanomaly

38.3972, 36.5281, 69.3169

Deuteranomaly

38.6827, 36.7339, 66.6796

Tritanomaly

37.6661, 36.5196, 52.6407

Monochromacy



Original Color

40.6728, 36.7489, 67.2369

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.8298, 37.6946, 50.0817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6728, 36.7489, 67.2369 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(173, 154, 212)` looks like.

```
.text, #text, p{  
    color:rgb(173, 154, 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(173, 154, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 154, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.6728, 36.7489, 67.2369 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(173, 154, 212) }
```


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

```
.border{ border-color:rgb(173, 154, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 154, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 154, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 154, 212);  
box-shadow:4px 4px 4px 4px rgb(173, 154,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6728, 36.7489, 67.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 154, 212) }
```

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

```
.background{ background-color: rgb(173,  
154, 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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