

Converting Colors

XYZ(40.8351, 37.2589, 65.9648)

Have a look what the booklet for
XYZ(40.8351, 37.2589, 65.9648)
contains.

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Color

**XYZ(40.9769, 37.4287,
66.0375)**

Conversions

Conversions Part 1

Format	Color
Hex	AE9CD2
RGB	174, 156, 210
RGB Percent	68%, 61%, 82%
CMY	0.3176, 0.3882, 0.1765
CMYK	0.17, 0.26, 0.00, 0.18
HSL	260°, 37%, 72%
HSV	260°, 26%, 82%
XYZ	40.9769, 37.4287, 66.0375
YIQ	167.5380, -6.6060, 20.6100

Conversions

Conversions Part 2

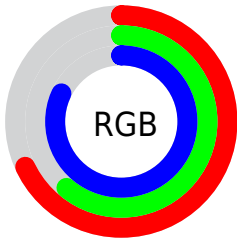
Format	Color
RYB	174, 156, 210
Decimal	11443410
CIELab	67.60, 17.39, -25.16
CIELCh	68, 30.583, 304.646
Yxy	37.4287, 0.2837, 0.2591
Android (android.graphics.Color)	4289633490 (0xFFAE9CD2)
YUV	167.5380, 20.9338, 5.6672
Hunter-Lab	61.1790, 12.4937, -21.1732

Details

The XYZ color **40.9769, 37.4287, 66.0375** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.7866, 59.7008, 40.3007**, and the grayscale version is **36.8973, 38.8188, 42.2737**.

A 20% lighter version of the original color is **73.9774, 70.6315, 104.3420**, and **18.8531, 16.5347, 33.2082** is the 20% darker color. If you saturate the color by 10%, you get **34.7951, 29.4559, 64.8250**, and if you desaturate by 10%, it is **48.0955, 46.7906, 67.4699**.

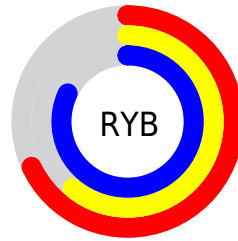
Distribution



Red (68%)

Green (61%)

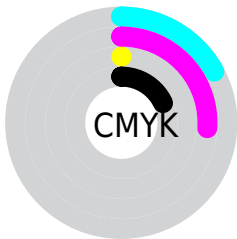
Blue (82%)



Red (68%)

Yellow (61%)

Blue (82%)

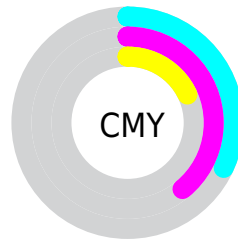


Cyan (17%)

Magenta (26%)

Yellow (0%)

Black (18%)



Cyan (32%)


Magenta (39%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9769, 37.4287, 66.0375 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 40.9769, 37.4287, 66.0375 by changing the saturation by 10% instead.


 40.9769, 37.4287,
66.0375


 40.9769, 37.4287,
66.0375

341.2883,
335.1628, 464.9189

 28.4886, 25.5396,
47.8462


 75.9238, 71.2316,
115.1677

 18.8366, 16.4795,
33.3460


 99.1130, 93.9143,
146.9436

 11.6556, 9.8641,
22.1183


126.6001,
120.9635, 184.0848

 6.5802, 5.3089,
13.7447

158.7501,
152.7637, 227.0098

 3.2449, 2.4297,
7.8066

195.9286,
189.6994, 276.1372

 1.2846, 0.8411,
3.8855

238.5009,

 0.1716, 0.0000,

232.1549, 331.8855

1.5627

286.8324,
280.5146, 394.6732

■ 0.0000, 0.0000,
0.2640

■ 0.0000, 0.0000,
0.0000

■ 40.9769, 37.4287,
66.0375

■ 40.9769, 37.4287,
66.0375

■ 34.7951, 29.4559,
64.8250

■ 48.0955, 46.7906,
67.4699

■ 29.5051, 22.7997,
63.8191

■ 56.1857, 57.6000,
69.1300

■ 25.0636, 17.3881,
63.0086

■ 65.2852, 69.9176,
71.0279

■ 21.4220, 13.1400,
62.3806

■ 75.4283, 83.7991,
73.1727

■ 18.5260, 9.9643,
61.9202

■ 84.7023, 95.4069,
74.9244

■ 16.3139, 7.7556,
61.6105

■ 88.6330, 97.4332,
75.1084

■ 14.7113, 6.3852,
61.4305

■ 14.1587, 5.9553,
61.3766

Harmonies

Analogous

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



36.3136, 37.4287, 72.4639



40.9769, 37.4287, 66.0375



44.4044, 37.4287, 52.9019

Triad

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



40.9769, 37.4287, 66.0375



39.5963, 37.4287, 21.5183



27.2887, 37.4287, 42.8910

Complementary

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



40.9769, 37.4287, 66.0375



50.7866, 59.7008, 40.3007

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.



28.0010, 37.4287, 30.6237



40.9769, 37.4287, 66.0375



34.8462, 37.4287, 19.9798

Square

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



40.9769, 37.4287, 66.0375



43.5592, 37.4287, 27.7130



30.6698, 37.4287, 22.9203



28.6311, 37.4287, 57.3520

Rectangle

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



40.9769, 37.4287, 66.0375



45.3770, 37.4287, 43.2224



30.6698, 37.4287, 22.9203



27.2969, 37.4287, 38.3805

Sweetspot

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



40.9781, 37.4302, 66.0383



84.0562, 85.1791, 106.6187



44.3922, 49.8179, 68.2495



17.5734, 17.6718, 22.7347



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.



40.9781, 37.4302, 66.0383



58.0038, 50.8495, 101.3655



47.3685, 40.7246, 66.3374



11.5297, 11.6064, 14.8762



8.7323, 3.6820, 37.4429



0.5717, 0.2489, 2.0975

Inverse Universe

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



47.9823, 41.2857, 55.3104



70.8496, 57.9287, 81.3202



44.7534, 56.5906, 40.0184



12.1363, 11.9393, 13.9935



19.1482, 9.5321, 16.2186



1.1066, 0.5474, 1.0964

Previews

White Background



This preview shows how the XYZ color 40.9769, 37.4287, 66.0375 looks on a white background.

Color Contrast Check

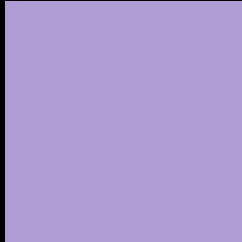
Large Text (above 18pt) WCAG AA × Fail

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 40.9769, 37.4287, 66.0375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

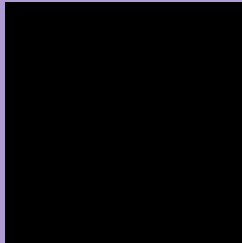
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9769, 37.4287, 66.0375

Background



This preview shows how black text looks on a background with the XYZ color 40.9769, 37.4287, 66.0375.



This preview shows how white text looks on a background with the XYZ color 40.9769, 37.4287,

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

40.9769, 37.4287, 66.0375

Protanopia

38.1254, 37.6800, 69.5535

Deuteranopia

38.5295, 37.7132, 65.5703



Tritanopia

36.8066, 37.2606, 45.8095

Trichromacy



Original Color

40.9769, 37.4287, 66.0375

Protanomaly

38.8791, 37.3166, 68.1045

Deuteranomaly

39.3893, 37.6376, 65.5103

Tritanomaly

38.2255, 37.3185, 52.7654

Monochromacy



Original Color

40.9769, 37.4287, 66.0375

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.4003, 38.5159, 50.2101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9769, 37.4287, 66.0375 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(174, 156, 210)` looks like.

```
.text, #text, p{  
    color:rgb(174, 156, 210)  
}
```

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(174, 156, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 156, 210) }
```

Border

The CSS property to change the border of an element to XYZ 40.9769, 37.4287, 66.0375 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(174, 156, 210) }
```


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

```
.border{ border-color:rgb(174, 156, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 156, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 156, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 156, 210);  
box-shadow:4px 4px 4px 4px rgb(174, 156,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9769, 37.4287, 66.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 156, 210) }
```

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

```
.background{ background-color: rgb(174,  
156, 210) }
```

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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