

Converting Colors

XYZ(37.6330, 38.8809, 46.9539)

Have a look what the booklet for
XYZ(37.6330, 38.8809, 46.9539)
contains.

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Color

**XYZ(37.6909, 39.0272,
47.1415)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A7B1
RGB	167, 167, 177
RGB Percent	65%, 65%, 69%
CMY	0.3451, 0.3451, 0.3059
CMYK	0.06, 0.06, 0.00, 0.31
HSL	240°, 6%, 67%
HSV	240°, 6%, 69%
XYZ	37.6909, 39.0272, 47.1415
YIQ	168.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

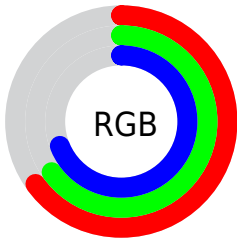
Format	Color
RYB	167, 167, 177
Decimal	10987441
CIELab	68.77, 1.95, -5.15
CIELCh	69, 5.502, 290.746
Yxy	39.0272, 0.3043, 0.3151
Android (android.graphics.Color)	4289177521 (0xFFA7A7B1)
YUV	168.1400, 4.3680, -0.9998
Hunter-Lab	62.4718, -1.6317, -1.0103

Details

The XYZ color **37.6909, 39.0272, 47.1415** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.8289, 43.5812, 42.8201**, and the grayscale version is **37.2695, 39.2104, 42.7001**.

A 20% lighter version of the original color is **70.9535, 73.6553, 87.5680**, and **16.8391, 17.3615, 21.5324** is the 20% darker color. If you saturate the color by 10%, you get **31.1816, 31.1847, 45.9714**, and if you desaturate by 10%, it is **45.1579, 48.0242, 48.4851**.

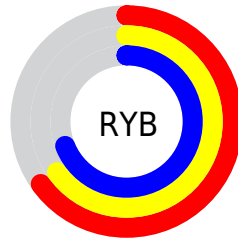
Distribution



Red (65%)

Green (65%)

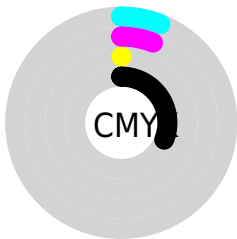
Blue (69%)



Red (65%)

Yellow (65%)

Blue (69%)

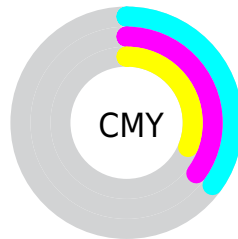


Cyan (6%)

Magenta (6%)

Yellow (0%)

Black (31%)



Cyan (35%)

Magenta (35%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6909, 39.0272, 47.1415 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 37.6909, 39.0272, 47.1415 by changing the saturation by 10% instead.

■ 37.6909, 39.0272,
47.1415

■ 37.6909, 39.0272,
47.1415

327.5960,
342.0061, 391.7892

■ 25.9190, 26.7809,
32.7924

■ 70.9411, 73.6799,
87.2770

■ 16.8954, 17.4087,
21.6976

■ 93.1501, 96.8550,
113.9004

■ 10.2548, 10.5263,
13.4387

119.5688,
124.4419, 145.4524

■ 5.6318, 5.7493,
7.5971

150.5626,
156.8249, 182.3515

■ 2.6610, 2.6932,
3.7542

186.4969,
194.3884, 225.0161

■ 0.9771, 0.9738,
1.4915

227.7370,

■ 0.0000, 0.0000,

237.5169, 273.8649

0.2116

274.6482,
286.5946, 329.3164

■ 0.0000, 0.0000,
0.0000

■ 37.6909, 39.0272,
47.1415

■ 37.6909, 39.0272,
47.1415

■ 31.1816, 31.1847,
45.9714

■ 45.1579, 48.0242,
48.4851

■ 25.5881, 24.4451,
44.9654

■ 53.6156, 58.2144,
50.0063

■ 20.8702, 18.7606,
44.1168

■ 63.0995, 69.6410,
51.7120

■ 16.9838, 14.0778,
43.4178

■ 73.6425, 82.3435,
53.6081

■ 13.8807, 10.3386,
42.8596

■ 84.9359, 95.9544,
55.6401

■ 11.5076, 7.4791,
42.4327

■ 9.8050, 5.4274,
42.1264

■ 8.7038, 4.1001,
41.9283

■ 8.1163, 3.3920,
41.8226

Harmonies

Analogous

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



36.8254, 39.0272, 47.4085



37.6909, 39.0272, 47.1415



38.4069, 39.0272, 45.6034

Triad

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



37.6909, 39.0272, 47.1415



38.1646, 39.0272, 38.8853



35.4648, 39.0272, 41.7269

Complementary

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



37.6909, 39.0272, 47.1415



40.8289, 43.5812, 42.8201

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.



35.8117, 39.0272, 39.5292



37.6909, 39.0272, 47.1415



37.3643, 39.0272, 37.9314

Square

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



37.6909, 39.0272, 47.1415



38.6833, 39.0272, 40.8167



36.5038, 39.0272, 38.1624



35.5492, 39.0272, 44.2166

Rectangle

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



37.6909, 39.0272, 47.1415



38.6987, 39.0272, 44.0962



36.5038, 39.0272, 38.1624



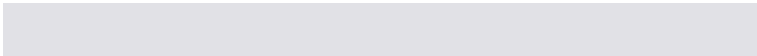
35.5347, 39.0272, 40.9311

Sweetspot

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



37.6920, 39.0289, 47.1424



72.1372, 75.4805, 85.2625



39.5784, 42.8282, 47.6892



15.6648, 16.3958, 18.4834



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.6920, 39.0289, 47.1424



65.6844, 67.7058, 84.1019



38.7320, 39.5644, 47.1909



8.3287, 8.5757, 10.7226



5.7501, 2.3006, 30.2780



0.1810, 0.0725, 0.9527

Inverse Universe

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



38.9262, 39.7754, 42.1868



68.4427, 69.3744, 73.0263



39.7478, 43.0245, 42.7696



8.6967, 8.7983, 9.2448



13.1371, 6.7724, 0.6158



0.4134, 0.2131, 0.0195

Previews

White Background



This preview shows how the XYZ color 37.6909, 39.0272, 47.1415 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 37.6909, 39.0272, 47.1415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

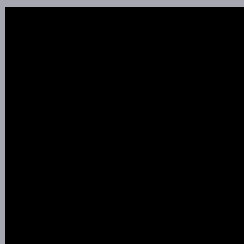
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

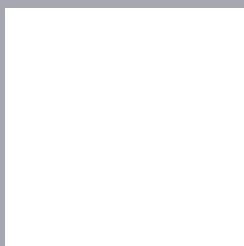
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6909, 39.0272, 47.1415

Background



This preview shows how black text looks on a background with the XYZ color 37.6909, 39.0272, 47.1415.

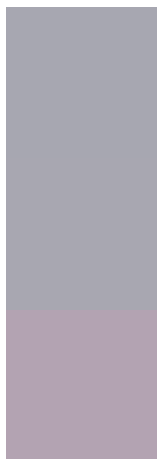


This preview shows how white text looks on a background with the XYZ color 37.6909, 39.0272,

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

37.6909, 39.0272, 47.1415

Protanopia

37.9030, 39.1366, 47.1514

Deuteranopia

39.7235, 38.9924, 47.5521



Tritanopia

37.9933, 39.1482, 48.7339

Trichromacy



Original Color

37.6909, 39.0272, 47.1415

Protanomaly

37.9030, 39.1366, 47.1514

Deuteranomaly

38.9905, 38.8792, 47.5689

Tritanomaly

37.8917, 39.1076, 48.1992

Monochromacy



Original Color

37.6909, 39.0272, 47.1415

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.5018, 39.2704, 44.1315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6909, 39.0272, 47.1415 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(167, 167, 177)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 177)  
}
```

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(167, 167, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 177) }
```

Border

The CSS property to change the border of an element to XYZ 37.6909, 39.0272, 47.1415 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(167, 167, 177) }
```


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

```
.border{ border-color:rgb(167, 167, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 167, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 177);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6909, 39.0272, 47.1415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 177) }
```

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

```
.background{ background-color: rgb(167,  
167, 177) }
```

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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