

Converting Colors

XYZ(38.7720, 37.1156, 71.2983)

Have a look what the booklet for
XYZ(38.7720, 37.1156, 71.2983)
contains.

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Color

**XYZ(38.9360, 37.2715,
71.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA0DA
RGB	156, 160, 218
RGB Percent	61%, 63%, 85%
CMY	0.3882, 0.3725, 0.1451
CMYK	0.28, 0.27, 0.00, 0.15
HSL	236°, 46%, 73%
HSV	236°, 28%, 85%
XYZ	38.9360, 37.2715, 71.4716
YIQ	165.4160, -21.0020, 17.1900

Conversions

Conversions Part 2

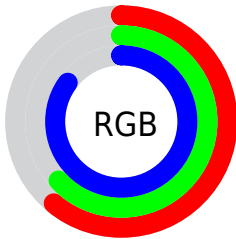
Format	Color
RYB	156, 160, 218
Decimal	10264794
CIELab	67.48, 11.51, -29.88
CIELCh	67, 32.025, 291.071
Yxy	37.2715, 0.2637, 0.2524
Android (android.graphics.Color)	4288454874 (0xFF9CA0DA)
YUV	165.4160, 25.9239, -8.2578
Hunter-Lab	61.0504, 7.0035, -26.6754

Details

The XYZ color **38.9360, 37.2715, 71.4716** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.9614, 65.3993, 40.9695**, and the grayscale version is **35.8515, 37.7185, 41.0755**.

A 20% lighter version of the original color is **69.5018, 69.8179, 104.4208**, and **17.6730, 16.4652, 36.8970** is the 20% darker color. If you saturate the color by 10%, you get **31.8401, 28.7894, 70.2090**, and if you desaturate by 10%, it is **47.3714, 47.3066, 72.9646**.

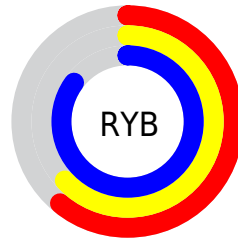
Distribution



Red (61%)

Green (63%)

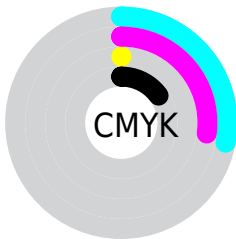
Blue (85%)



Red (61%)

Yellow (63%)

Blue (85%)

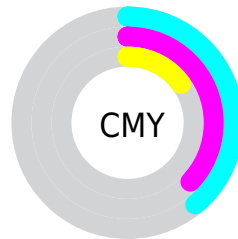


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (15%)



Cyan (39%)

Magenta (37%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9360, 37.2715, 71.4716 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 38.9360, 37.2715, 71.4716 by changing the saturation by 10% instead.

■ 38.9360, 37.2715,
71.4716

■ 38.9360, 37.2715,
71.4716

332.8302,
334.4845, 484.6283

■ 26.8904, 25.4178,
52.2430

■ 72.8352, 70.9902,
123.0057

■ 17.6271, 16.3886,
36.8152

■ 95.4196, 93.6239,
156.1482

■ 10.7807, 9.7995,
24.7698

122.2477,
120.6197, 194.7658

■ 5.9858, 5.2662,
15.6881

153.6847,
152.3621, 239.2770

■ 2.8770, 2.4043,
9.1518

190.0961,
189.2353, 290.1003

■ 1.0891, 0.8281,
4.7422

231.8473,

■ 0.0159, 0.0000,

231.6239, 347.6543

2.0407

279.3035,
279.9121, 412.3574

■ 0.0000, 0.0000,
0.5801

■ 0.0000, 0.0000,
0.0000

■ 38.9360, 37.2715,
71.4716

■ 38.9360, 37.2715,
71.4716

■ 31.8401, 28.7894,
70.2090

■ 47.3714, 47.3066,
72.9646

■ 26.0111, 21.7784,
69.1630

■ 57.2063, 58.9623,
74.6960

■ 21.3754, 16.1562,
68.3221

■ 68.5017, 72.3074,
76.6766

■ 17.8503, 11.8300,
67.6729

■ 81.3137, 87.4057,
78.9156

■ 15.3423, 8.6962,
67.2002

■ 89.6550, 97.8420,
80.4903

■ 13.7427, 6.6347,
66.8866

■ 12.9019, 5.4926,
66.7104

■ 12.8129, 5.3779,
66.6930

Harmonies

Analogous

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



33.9775, 37.2715, 73.6561



38.9360, 37.2715, 71.4716



43.3048, 37.2715, 60.0947

Triad

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



38.9360, 37.2715, 71.4716



41.7075, 37.2715, 22.9463



26.8789, 37.2715, 36.5212

Complementary

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



38.9360, 37.2715, 71.4716



58.9614, 65.3993, 40.9695

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.



28.5650, 37.2715, 25.8296



38.9360, 37.2715, 71.4716



36.9140, 37.2715, 19.2728

Square

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



38.9360, 37.2715, 71.4716



45.0050, 37.2715, 31.6016



32.1325, 37.2715, 20.1897



27.3119, 37.2715, 51.1212

Rectangle

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



38.9360, 37.2715, 71.4716



45.1470, 37.2715, 50.0196



32.1325, 37.2715, 20.1897



27.2104, 37.2715, 32.4137

Sweetspot

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



38.9372, 37.2730, 71.4725



80.6344, 82.9630, 106.3713



50.9032, 62.0598, 72.8256



16.7950, 17.2082, 22.6863



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.



38.9372, 37.2730, 71.4725



49.3780, 45.8091, 100.8473



44.0412, 38.8911, 71.5158



12.4058, 12.7514, 16.4595



7.7034, 3.2763, 39.9648



0.5233, 0.2608, 2.5972

Inverse Universe

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



47.1481, 41.2216, 38.7308



62.9278, 52.4280, 46.7934



52.5925, 63.6376, 40.9651



13.0899, 13.0651, 13.7349



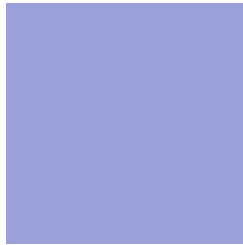
17.3837, 8.9545, 1.1345



1.1384, 0.5850, 0.1380

Previews

White Background



This preview shows how the XYZ color 38.9360, 37.2715, 71.4716 looks on a white background.

Color Contrast Check

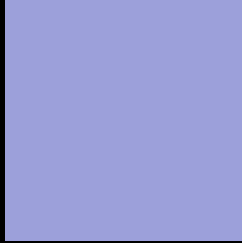
Large Text (above 18pt) WCAG AA × Fail

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 38.9360, 37.2715, 71.4716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

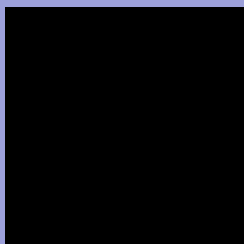
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9360, 37.2715, 71.4716

Background



This preview shows how black text looks on a background with the XYZ color 38.9360, 37.2715, 71.4716.



This preview shows how white text looks on a background with the XYZ color 38.9360, 37.2715,

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

38.9360, 37.2715, 71.4716

Protanopia

38.0513, 37.3039, 72.9050

Deuteranopia

38.3377, 37.4819, 71.5438



Tritanopia

34.2697, 37.2286, 48.5597

Trichromacy



Original Color

38.9360, 37.2715, 71.4716

Protanomaly

38.2936, 37.1835, 72.1767

Deuteranomaly

38.5366, 37.3240, 71.5028

Tritanomaly

35.7756, 37.0253, 56.3000

Monochromacy



Original Color

38.9360, 37.2715, 71.4716

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.6492, 37.3365, 50.6224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9360, 37.2715, 71.4716 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(156, 160, 218)` looks like.

```
.text, #text, p{  
    color:rgb(156, 160, 218)  
}
```

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(156, 160, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 160, 218) }
```

Border

The CSS property to change the border of an element to XYZ 38.9360, 37.2715, 71.4716 is called "border". The border property can be set on classes, ids or directly on the HTML element.

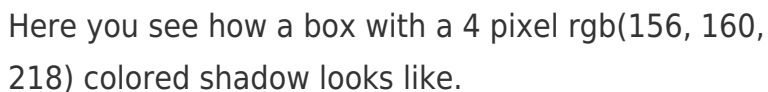
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 160, 218) }
```


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

```
.border{ border-color:rgb(156, 160, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 160, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 160, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 160, 218); box-shadow:4px 4px 4px 4px rgb(156, 160, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9360, 37.2715, 71.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 160, 218) }
```

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

```
.background{ background-color: rgb(156,  
160, 218) }
```

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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