

Converting Colors

XYZ(39.3328, 36.7224, 72.4585)

Have a look what the booklet for
XYZ(39.3328, 36.7224, 72.4585)
contains.

XYZ(39.2733, 36.6522, 72.7148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.2733, 36.6522,
72.7148)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9DDC
RGB	159, 157, 220
RGB Percent	62%, 62%, 86%
CMY	0.3765, 0.3843, 0.1373
CMYK	0.28, 0.29, 0.00, 0.14
HSL	242°, 47%, 74%
HSV	242°, 29%, 86%
XYZ	39.2733, 36.6522, 72.7148
YIQ	164.7800, -19.0310, 20.0170

Conversions

Conversions Part 2

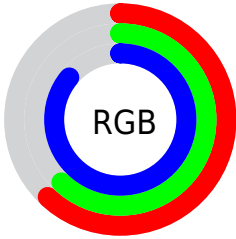
Format	Color
R_{YB}	159, 157, 220
Decimal	10460636
CIE _{Lab}	67.02, 14.59, -31.69
CIE _{LCh}	67, 34.884, 294.718
Yxy	36.6522, 0.2642, 0.2466
Android (android.graphics.Color)	4288650716 (0xFF9F9DDC)
YUV	164.7800, 27.2235, -5.0691
Hunter-Lab	60.5411, 9.8470, -28.8334

Details

The XYZ color **39.2733, 36.6522, 72.7148** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.5935, 68.5270, 41.9332**, and the grayscale version is **35.5402, 37.3910, 40.7188**.

A 20% lighter version of the original color is **69.6178, 68.7540, 104.2093**, and **17.8894, 16.0889, 37.7599** is the 20% darker color. If you saturate the color by 10%, you get **32.0146, 27.8740, 71.4036**, and if you desaturate by 10%, it is **47.9326, 47.1488, 74.2851**.

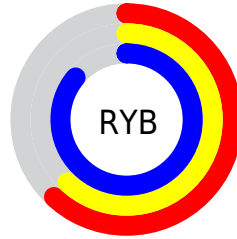
Distribution



Red (62%)

Green (62%)

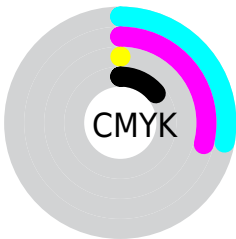
Blue (86%)



Red (62%)

Yellow (62%)

Blue (86%)

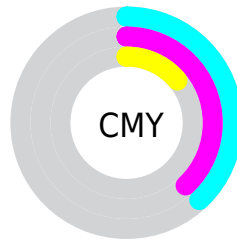


Cyan (28%)

Magenta (29%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (38%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2733, 36.6522, 72.7148 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 39.2733, 36.6522, 72.7148 by changing the saturation by 10% instead.

■ 39.2733, 36.6522,
72.7148

■ 39.2733, 36.6522,
72.7148

334.2382,
331.8023, 489.0700

■ 27.1541, 24.9383,
53.2524

■ 73.3470, 70.0375,
124.7894

■ 17.8262, 16.0311,
37.6152

■ 96.0323, 92.4778,
158.2387

■ 10.9242, 9.5462,
25.3846

122.9702,
119.2623, 197.1873

■ 6.0828, 5.0991,
16.1422

154.5263,
150.7754, 242.0539

■ 2.9366, 2.3055,
9.4694

191.0657,
187.4016, 293.2569

■ 1.1203, 0.7766,
4.9476

232.9540,

■ 0.0420, 0.0000,

229.5252, 351.2149

2.1584

280.5564,
277.5306, 416.3464

■ 0.0000, 0.0000,
0.6502

■ 0.0000, 0.0000,
0.0000

■ 39.2733, 36.6522,
72.7148

■ 39.2733, 36.6522,
72.7148

■ 32.0146, 27.8740,
71.4036

■ 47.9326, 47.1488,
74.2851

■ 26.0795, 20.7187,
70.3354

■ 58.0566, 59.4440,
76.1247

■ 21.3891, 15.0882,
69.4958

■ 69.7102, 73.6181,
78.2464

■ 17.8550, 10.8717,
68.8682

■ 82.9532, 89.7452,
80.6612

■ 15.3767, 7.9438,
68.4336

■ 89.9184, 97.9474,
81.8773

■ 13.8369, 6.1570,
68.1699

■ 13.0748, 5.2964,
68.0440

■ 13.0058, 5.2124,
68.0314

Harmonies

Analogous

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



33.9074, 36.6522, 76.5851



39.2733, 36.6522, 72.7148



43.8334, 36.6522, 59.2457

Triad

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



39.2733, 36.6522, 72.7148



41.0593, 36.6522, 20.5131



25.6445, 36.6522, 37.2819

Complementary

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



39.2733, 36.6522, 72.7148



60.5935, 68.5270, 41.9332

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.



27.1640, 36.6522, 25.3154



39.2733, 36.6522, 72.7148



35.7831, 36.6522, 17.3336

Square

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



39.2733, 36.6522, 72.7148



44.9356, 36.6522, 28.9077



30.7477, 36.6522, 18.8374



26.3772, 36.6522, 53.3954

Rectangle

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



39.2733, 36.6522, 72.7148



45.6184, 36.6522, 48.1032



30.7477, 36.6522, 18.8374



25.9038, 36.6522, 32.7009

Sweetspot

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



39.2745, 36.6536, 72.7156



80.4526, 82.2477, 106.2428



52.1424, 62.9732, 77.1176



16.7507, 17.0340, 22.6550



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.



39.2745, 36.6536, 72.7156



48.9139, 43.9999, 100.5225



46.0994, 40.1720, 73.0350



12.3767, 12.6368, 16.4390



7.6505, 3.0682, 39.9274



0.5094, 0.2059, 2.5873

Inverse Universe

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



54.2281, 44.3929, 72.0413



72.9082, 56.4202, 99.3495



52.2839, 64.2432, 41.5443



13.5956, 13.2673, 16.3977



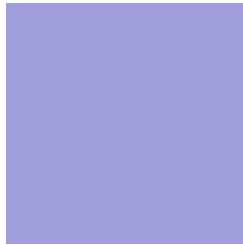
24.3805, 11.7532, 37.9791



1.5852, 0.7637, 2.4907

Previews

White Background



This preview shows how the XYZ color 39.2733, 36.6522, 72.7148 looks on a white background.

Color Contrast Check

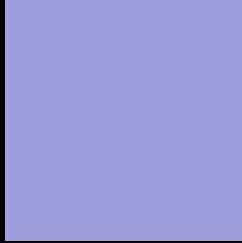
Large Text (above 18pt) WCAG AA × Fail

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 39.2733, 36.6522, 72.7148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

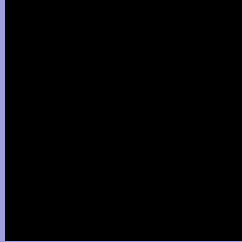
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2733, 36.6522, 72.7148

Background



This preview shows how black text looks on a background with the XYZ color 39.2733, 36.6522, 72.7148.



This preview shows how white text looks on a background with the XYZ color 39.2733, 36.6522,

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

39.2733, 36.6522, 72.7148

Protanopia

37.7412, 36.8372, 74.9332

Deuteranopia

37.5637, 36.8073, 72.1425



Tritanopia

34.2535, 36.7039, 47.3987

Trichromacy



Original Color

39.2733, 36.6522, 72.7148

Protanomaly

38.3333, 36.8996, 74.2092

Deuteranomaly

38.1195, 36.8354, 72.1187

Tritanomaly

35.8724, 36.5609, 55.6184

Monochromacy



Original Color

39.2733, 36.6522, 72.7148

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.7815, 37.1300, 51.1271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2733, 36.6522, 72.7148 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(159, 157, 220)` looks like.

```
.text, #text, p{  
    color:rgb(159, 157, 220)  
}
```

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(159, 157, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 157, 220) }
```

Border

The CSS property to change the border of an element to XYZ 39.2733, 36.6522, 72.7148 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(159, 157, 220) }
```


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

```
.border{ border-color:rgb(159, 157, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 157, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 157, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 157, 220);  
box-shadow:4px 4px 4px 4px rgb(159, 157,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2733, 36.6522, 72.7148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 157, 220) }
```

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

```
.background{ background-color: rgb(159,  
157, 220) }
```

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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