

Converting Colors

XYZ(40.0870, 39.1503, 73.1563)

Have a look what the booklet for
XYZ(40.0870, 39.1503, 73.1563)
contains.

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Color

**XYZ(40.0837, 39.1455,
73.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA5DC
RGB	156, 165, 220
RGB Percent	61%, 65%, 86%
CMY	0.3882, 0.3529, 0.1373
CMYK	0.29, 0.25, 0.00, 0.14
HSL	232°, 48%, 74%
HSV	232°, 29%, 86%
XYZ	40.0837, 39.1455, 73.1533
YIQ	168.5790, -23.0190, 15.1970

Conversions

Conversions Part 2

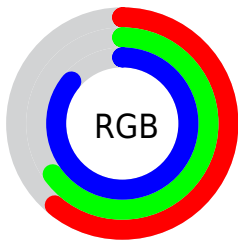
Format	Color
RYB	156, 164, 220
Decimal	10266076
CIELab	68.86, 9.19, -28.86
CIELCh	69, 30.293, 287.670
Yxy	39.1455, 0.2630, 0.2569
Android (android.graphics.Color)	4288456156 (0xFF9CA5DC)
YUV	168.5790, 25.3506, -11.0318
Hunter-Lab	62.5664, 4.8665, -25.5261

Details

The XYZ color **40.0837, 39.1455, 73.1533** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.8109, 64.2050, 40.7469**, and the grayscale version is **37.3924, 39.3397, 42.8410**.

A 20% lighter version of the original color is **70.7946, 72.4034, 104.8517**, and **18.2902, 17.4104, 37.9939** is the 20% darker color. If you saturate the color by 10%, you get **33.0442, 30.8237, 71.9187**, and if you desaturate by 10%, it is **48.4009, 48.8761, 74.5938**.

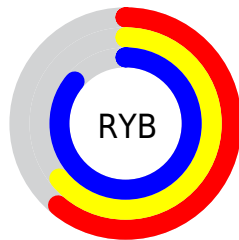
Distribution



Red (61%)

Green (65%)

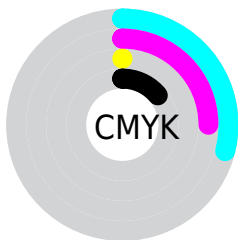
Blue (86%)



Red (61%)

Yellow (64%)

Blue (86%)

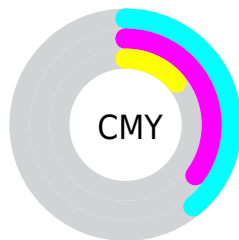


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (14%)



Cyan (39%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0837, 39.1455, 73.1533 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 40.0837, 39.1455, 73.1533 by changing the saturation by 10% instead.

■ 40.0837, 39.1455,
73.1533

■ 40.0837, 39.1455,
73.1533

337.6046,
342.5087, 490.6310

■ 27.7883, 26.8729,
53.6087

■ 74.5745, 73.8605,
125.4177

■ 18.3058, 17.4778,
37.8979

■ 97.5006, 97.0718,
158.9747

■ 11.2708, 10.5757,
25.6022

124.7010,
124.6981, 198.0396

■ 6.3179, 5.7823,
16.3032

156.5410,
157.1238, 243.0308

■ 3.0818, 2.7132,
9.5823

193.3860,
194.7333, 294.3671

■ 1.1972, 0.9839,
5.0209

235.6014,

■ 0.1041, 0.0000,

237.9110, 352.4668

2.2006

283.5525,
287.0414, 417.7486

■ 0.0000, 0.0000,
0.6747

■ 0.0000, 0.0000,
0.0000

■ 40.0837, 39.1455,
73.1533

■ 40.0837, 39.1455,
73.1533

■ 33.0442, 30.8237,
71.9187

■ 48.4009, 48.8761,
74.5938

■ 27.2149, 23.8404,
70.8781

■ 58.0510, 60.0719,
76.2462

■ 22.5278, 18.1265,
70.0222

■ 69.0910, 72.7923,
78.1196

■ 18.9065, 13.6044,
69.3402

■ 81.5730, 87.0915,
80.2218

■ 16.2651, 10.1880,
68.8200

■ 89.9184, 97.9474,
81.8773

■ 14.5039, 7.7791,
68.4478

■ 13.4779, 6.2492,
68.2066

■ 13.4068, 6.1442,
68.1901

Harmonies

Analogous

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



35.2672, 39.1455, 74.0721



40.0837, 39.1455, 73.1533



44.4678, 39.1455, 63.0529

Triad

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



40.0837, 39.1455, 73.1533



43.7856, 39.1455, 25.8933



28.8864, 39.1455, 37.2153

Complementary

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



40.0837, 39.1455, 73.1533



58.8109, 64.2050, 40.7469

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.



30.7823, 39.1455, 27.1644



40.0837, 39.1455, 73.1533



39.2159, 39.1455, 21.6371

Square

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



40.0837, 39.1455, 73.1533



46.7284, 39.1455, 35.0812



34.4706, 39.1455, 22.0459



29.0751, 39.1455, 51.1744

Rectangle

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



40.0837, 39.1455, 73.1533



46.4297, 39.1455, 53.4942



34.4706, 39.1455, 22.0459



29.2938, 39.1455, 33.3341

Sweetspot

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



40.0850, 39.1470, 73.1542



81.1328, 83.9599, 106.5375



50.9872, 62.9283, 70.6942



16.9167, 17.4514, 22.7268



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.



40.0850, 39.1470, 73.1542



49.7040, 47.2610, 101.1103



43.2599, 38.4579, 72.8539



12.4857, 12.9111, 16.4862



7.9163, 3.7019, 40.0357



0.5612, 0.3366, 2.6098

Inverse Universe

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



48.1963, 41.7104, 41.1096



62.8970, 51.6681, 48.9364



54.7783, 65.5390, 41.2170



13.1303, 13.0812, 13.9472



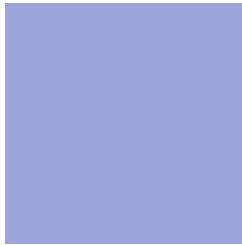
17.4911, 8.9975, 1.7002



1.1576, 0.5927, 0.2388

Previews

White Background



This preview shows how the XYZ color 40.0837, 39.1455, 73.1533 looks on a white background.

Color Contrast Check

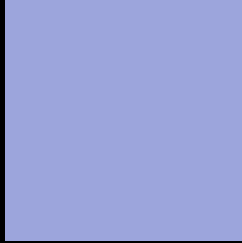
Large Text (above 18pt) WCAG AA × Fail

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 40.0837, 39.1455, 73.1533 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 40.0837, 39.1455, 73.1533

Background



This preview shows how black text looks on a background with the XYZ color 40.0837, 39.1455, 73.1533.



This preview shows how white text looks on a background with the XYZ color 40.0837, 39.1455,

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

40.0837, 39.1455, 73.1533

Protanopia

39.8242, 39.2652, 73.8866

Deuteranopia

40.0837, 39.1455, 73.1533



Tritanopia

35.7143, 39.0182, 51.5479

Trichromacy



Original Color

40.0837, 39.1455, 73.1533

Protanomaly

40.0138, 39.3629, 73.8955

Deuteranomaly

40.0837, 39.1455, 73.1533

Tritanomaly

37.3299, 39.1286, 59.0111

Monochromacy



Original Color

40.0837, 39.1455, 73.1533

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.3896, 39.5286, 53.1834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0837, 39.1455, 73.1533 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, 165, 220)` looks like.

```
.text, #text, p{  
    color:rgb(156, 165, 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(156, 165, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 165, 220) }
```

Border

The CSS property to change the border of an element to XYZ 40.0837, 39.1455, 73.1533 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, 165, 220) }
```


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

```
.border{ border-color:rgb(156, 165, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 165, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 165, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 165, 220);  
box-shadow:4px 4px 4px 4px rgb(156, 165,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0837, 39.1455, 73.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 165, 220) }
```

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

```
.background{ background-color: rgb(156,  
165, 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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