

Converting Colors

XYZ(40.6938, 42.2584, 73.0297)

Have a look what the booklet for
XYZ(40.6938, 42.2584, 73.0297)
contains.

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Color

**XYZ(40.6938, 42.2584,
73.0297)**

Conversions

Conversions Part 1

Format	Color
Hex	96AFDB
RGB	150, 175, 219
RGB Percent	59%, 69%, 86%
CMY	0.4118, 0.3137, 0.1412
CMYK	0.32, 0.20, 0.00, 0.14
HSL	218°, 49%, 72%
HSV	218°, 32%, 86%
XYZ	40.6938, 42.2584, 73.0297
YIQ	172.5410, -29.0240, 8.3840

Conversions

Conversions Part 2

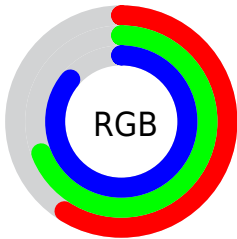
Format	Color
RYB	150, 168, 219
Decimal	9875419
CIELab	71.05, 1.64, -24.99
CIELCh	71, 25.039, 273.752
Yxy	42.2584, 0.2609, 0.2709
Android (android.graphics.Color)	4288065499 (0xFF96AFDB)
YUV	172.5410, 22.9043, -19.7685
Hunter-Lab	65.0065, -2.0210, -21.1032

Details

The XYZ color **40.6938, 42.2584, 73.0297** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.0110, 55.8463, 36.7882**, and the grayscale version is **39.3859, 41.4370, 45.1249**.

A 20% lighter version of the original color is **71.8004, 76.9354, 105.6735**, and **18.7136, 19.3876, 37.8778** is the 20% darker color. If you saturate the color by 10%, you get **34.4555, 35.2148, 71.9997**, and if you desaturate by 10%, it is **47.9691, 50.2558, 74.1906**.

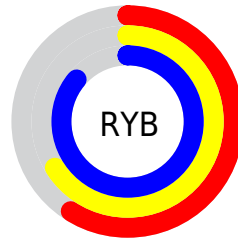
Distribution



Red (59%)

Green (69%)

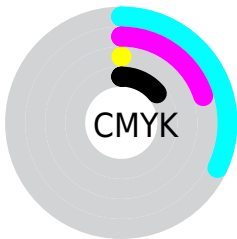
Blue (86%)



Red (59%)

Yellow (66%)

Blue (86%)

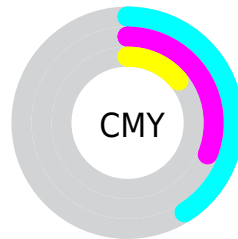


Cyan (32%)

Magenta (20%)

Yellow (0%)

Black (14%)



Cyan (41%)

Magenta (31%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6938, 42.2584, 73.0297 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 40.6938, 42.2584, 73.0297 by changing the saturation by 10% instead.

■ 40.6938, 42.2584,
73.0297

■ 40.6938, 42.2584,
73.0297

340.1237,
355.5530, 490.1913

■ 28.2665, 29.3037,
53.5083

■ 75.4965, 78.5906,
125.2407

■ 18.6681, 19.3107,
37.8182

■ 98.6026, 102.7368,
158.7673

■ 11.5333, 11.8950,
25.5409

125.9991,
131.3823, 197.7994

■ 6.4967, 6.6722,
16.2578

158.0512,
164.9115, 242.7556

■ 3.1929, 3.2580,
9.5504

195.1244,
203.7088, 294.0543

■ 1.2566, 1.2678,
5.0002

237.5840,

■ 0.1503, 0.1161,

248.1585, 352.1141

2.1887

285.7953,
298.6451, 417.3536

■ 0.0000, 0.0000,
0.6678

■ 0.0000, 0.0000,
0.0000

■ 40.6938, 42.2584,
73.0297

■ 40.6938, 42.2584,
73.0297

■ 34.4555, 35.2148,
71.9997

■ 47.9691, 50.2558,
74.1906

■ 29.1994, 29.0814,
71.0928

■ 56.3242, 59.2382,
75.4841

■ 24.8720, 23.8181,
70.3050

■ 65.8043, 69.2416,
76.9152

■ 21.4122, 19.3795,
69.6306

■ 76.4509, 80.2984,
78.4883

■ 18.7508, 15.7153,
69.0636

■ 86.6268, 91.5754,
80.1286

■ 16.8065, 12.7677,
68.5972

■ 89.7863, 97.8945,
81.1818

■ 15.6077, 10.7573,
68.2723

Harmonies

Analogous

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



36.7130, 42.2584, 69.9113



40.6938, 42.2584, 73.0297



44.8006, 42.2584, 67.9386

Triad

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



40.6938, 42.2584, 73.0297



47.2289, 42.2584, 34.3667



33.3765, 42.2584, 36.5604

Complementary

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



40.6938, 42.2584, 73.0297



54.0110, 55.8463, 36.7882

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.



35.8614, 42.2584, 29.3979



40.6938, 42.2584, 73.0297



43.8276, 42.2584, 28.2942

Square

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



40.6938, 42.2584, 73.0297



48.7353, 42.2584, 44.5217



39.6415, 42.2584, 26.6458



32.6640, 42.2584, 47.5356

Rectangle

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



40.6938, 42.2584, 73.0297



47.0054, 42.2584, 61.0163



39.6415, 42.2584, 26.6458



34.0233, 42.2584, 33.6946

Sweetspot

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



40.6952, 42.2601, 73.0307



82.6127, 86.9198, 107.0308



47.6142, 61.0295, 60.1339



17.2790, 18.1761, 22.8476



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.



40.6952, 42.2601, 73.0307



51.2866, 52.7321, 102.0830



38.0315, 34.3199, 71.6385



12.7230, 13.3857, 16.5653



9.3496, 6.5687, 40.5135



0.6859, 0.5860, 2.6514

Inverse Universe

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



47.8587, 39.9692, 45.7515



63.1330, 49.6075, 56.8227



57.3589, 66.5382, 38.6755



13.2500, 13.1291, 14.5780



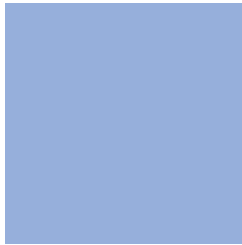
18.2146, 9.2869, 5.5100



1.2205, 0.6178, 0.5702

Previews

White Background



This preview shows how the XYZ color 40.6938, 42.2584, 73.0297 looks on a white background.

Color Contrast Check

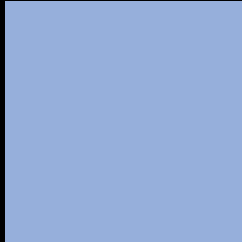
Large Text (above 18pt) WCAG AA × Fail

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 40.6938, 42.2584, 73.0297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

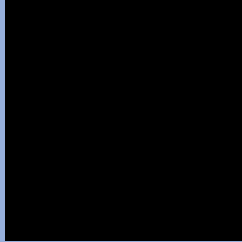
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6938, 42.2584, 73.0297

Background



This preview shows how black text looks on a background with the XYZ color 40.6938, 42.2584, 73.0297.



This preview shows how white text looks on a background with the XYZ color 40.6938, 42.2584,

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

40.6938, 42.2584, 73.0297

Protanopia

42.3812, 42.3013, 71.5769

Deuteranopia

43.0189, 42.0237, 73.5542



Tritanopia

37.3593, 42.0645, 57.1892

Trichromacy



Original Color

40.6938, 42.2584, 73.0297

Protanomaly

41.6990, 42.2182, 72.2808

Deuteranomaly

42.1680, 42.1459, 73.6226

Tritanomaly

38.5539, 42.2636, 62.6256

Monochromacy



Original Color

40.6938, 42.2584, 73.0297

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.9474, 41.9891, 54.7145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6938, 42.2584, 73.0297 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(150, 175, 219)` looks like.

```
.text, #text, p{  
    color:rgb(150, 175, 219)  
}
```

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(150, 175, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 175, 219) }
```

Border

The CSS property to change the border of an element to XYZ 40.6938, 42.2584, 73.0297 is called "border". The border property can be set on classes, ids or directly on the HTML element.

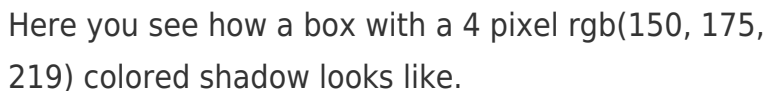
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 175, 219) }
```


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

```
.border{ border-color:rgb(150, 175, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 175, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 175, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 175, 219);  
box-shadow:4px 4px 4px 4px rgb(150, 175,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6938, 42.2584, 73.0297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 175, 219) }
```

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

```
.background{ background-color: rgb(150,  
175, 219) }
```

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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