

Converting Colors

XYZ(39.9938, 42.2949, 69.5722)

Have a look what the booklet for
XYZ(39.9938, 42.2949, 69.5722)
contains.

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Color

**XYZ(40.0574, 42.2953,
69.6709)**

Conversions

Conversions Part 1

Format	Color
Hex	95B0D6
RGB	149, 176, 214
RGB Percent	58%, 69%, 84%
CMY	0.4157, 0.3098, 0.1608
CMYK	0.30, 0.18, 0.00, 0.16
HSL	215°, 44%, 71%
HSV	215°, 30%, 84%
XYZ	40.0574, 42.2953, 69.6709
YIQ	172.2590, -28.2900, 6.0940

Conversions

Conversions Part 2

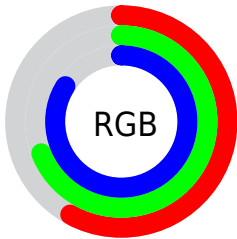
Format	Color
RYB	149, 168, 214
Decimal	9810134
CIELab	71.07, -0.45, -22.22
CIELCh	71, 22.220, 268.851
Yxy	42.2953, 0.2635, 0.2782
Android (android.graphics.Color)	4288000214 (0xFF95B0D6)
YUV	172.2590, 20.5783, -20.3981
Hunter-Lab	65.0348, -3.8661, -17.9922

Details

The XYZ color **40.0574, 42.2953, 69.6709** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.9274, 52.0073, 35.7893**, and the grayscale version is **39.2542, 41.2985, 44.9741**.

A 20% lighter version of the original color is **71.8085, 77.7706, 105.8343**, and **18.2895, 19.4053, 35.5825** is the 20% darker color. If you saturate the color by 10%, you get **34.1651, 35.7834, 68.7253**, and if you desaturate by 10%, it is **46.8958, 49.6326, 70.7274**.

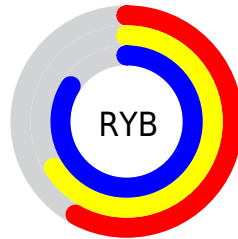
Distribution



Red (58%)

Green (69%)

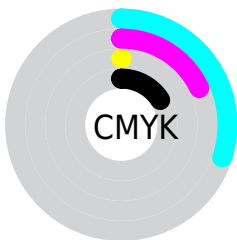
Blue (84%)



Red (58%)

Yellow (66%)

Blue (84%)

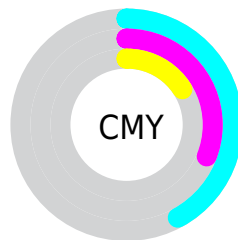


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0574, 42.2953, 69.6709 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 40.0574, 42.2953, 69.6709 by changing the saturation by 10% instead.

■ 40.0574, 42.2953,
69.6709

■ 40.0574, 42.2953,
69.6709

337.4957,
355.7056, 478.1515

■ 27.7677, 29.3326,
50.7831

■ 74.5347, 78.6464,
120.4160

■ 18.2902, 19.3326,
35.6605

■ 97.4530, 102.8035,
153.1105

■ 11.2595, 11.9108,
23.8845

124.6449,
131.4609, 191.2442

■ 6.3102, 6.6830,
15.0366

156.4758,
165.0029, 235.2358

■ 3.0771, 3.2646,
8.6981

193.3109,
203.8140, 285.5038

■ 1.1946, 1.2714,
4.4507

235.5157,

■ 0.1021, 0.1189,

248.2786, 342.4667

1.8757

283.4555,
298.7810, 406.5431

■ 0.0000, 0.0000,
0.4772

■ 0.0000, 0.0000,
0.0000

■ 40.0574, 42.2953,
69.6709

■ 40.0574, 42.2953,
69.6709

■ 34.1651, 35.7834,
68.7253

■ 46.8958, 49.6326,
70.7274

■ 29.1695, 30.0593,
67.8837

■ 54.7185, 57.8206,
71.8956

■ 25.0225, 25.0899,
67.1431

■ 63.5664, 66.8897,
73.1798

■ 21.6694, 20.8371,
66.4989

■ 73.4766, 76.8672,
74.5833

■ 19.0483, 17.2586,
65.9464

■ 84.1143, 87.5883,
76.0920

■ 17.0866, 14.3061,
65.4799

■ 87.8956, 95.1508,
77.3524

■ 15.7015, 11.9826,
65.1044

■ 89.1377, 97.6351,
77.7665

Harmonies

Analogous

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



36.6191, 42.2953, 65.8627



40.0574, 42.2953, 69.6709



43.7450, 42.2953, 66.3846

Triad

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



40.0574, 42.2953, 69.6709



46.7840, 42.2953, 36.8734



34.3943, 42.2953, 36.2643

Complementary

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



40.0574, 42.2953, 69.6709



50.9274, 52.0073, 35.7893

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.



36.8527, 42.2953, 30.3638



40.0574, 42.2953, 69.6709



44.0079, 42.2953, 30.6755

Square

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



40.0574, 42.2953, 69.6709



47.7698, 42.2953, 46.4637



40.3438, 42.2953, 28.4844



33.4761, 42.2953, 45.6435

Rectangle

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



40.0574, 42.2953, 69.6709



45.8200, 42.2953, 60.8607



40.3438, 42.2953, 28.4844



35.0602, 42.2953, 33.8650

Sweetspot

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



40.0587, 42.2970, 69.6719



82.9732, 87.6408, 107.1509



45.4028, 58.0679, 55.7833



17.3675, 18.3531, 22.8771



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.



40.0587, 42.2970, 69.6719



54.1598, 56.9568, 102.7470



36.2921, 33.2623, 68.1265



12.1622, 12.8478, 15.7764



9.5878, 7.4374, 39.3834



0.6589, 0.6099, 2.4023

Inverse Universe

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



46.3166, 38.9269, 46.1486



64.9547, 51.7582, 62.0314



55.6490, 63.7585, 37.8087



12.6351, 12.5055, 14.0185



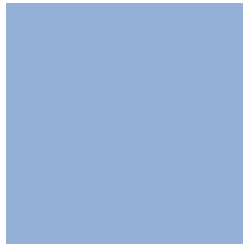
17.8983, 9.0957, 6.7687



1.1202, 0.5649, 0.6226

Previews

White Background



This preview shows how the XYZ color 40.0574, 42.2953, 69.6709 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 40.0574, 42.2953, 69.6709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

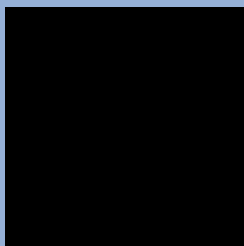
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0574, 42.2953, 69.6709

Background



This preview shows how black text looks on a background with the XYZ color 40.0574, 42.2953, 69.6709.



This preview shows how white text looks on a background with the XYZ color 40.0574, 42.2953,

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

40.0574, 42.2953, 69.6709

Protanopia

42.0274, 42.2075, 67.5598

Deuteranopia

43.0027, 42.0908, 70.1478



Tritanopia

37.7359, 42.5573, 57.2644

Trichromacy



Original Color

40.0574, 42.2953, 69.6709

Protanomaly

41.1253, 42.0115, 68.2289

Deuteranomaly

41.9186, 42.0927, 70.2053

Tritanomaly

38.5168, 42.5682, 61.4448

Monochromacy



Original Color

40.0574, 42.2953, 69.6709

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.2231, 41.3675, 52.9312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0574, 42.2953, 69.6709 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(149, 176, 214)` looks like.

```
.text, #text, p{  
    color:rgb(149, 176, 214)  
}
```

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(149, 176, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 176, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.0574, 42.2953, 69.6709 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(149, 176, 214) }
```


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

```
.border{ border-color:rgb(149, 176, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 176, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 176, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 176, 214);  
box-shadow:4px 4px 4px 4px rgb(149, 176,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0574, 42.2953, 69.6709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 176, 214) }
```

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

```
.background{ background-color: rgb(149,  
176, 214) }
```

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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