

Converting Colors

XYZ(39.8874, 43.0758, 70.5021)

Have a look what the booklet for
XYZ(39.8874, 43.0758, 70.5021)
contains.

XYZ(39.8874, 43.0758, 70.5021)	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(39.8874, 43.0758,
70.5021)**

Conversions

Conversions Part 1

Format	Color
Hex	90B3D7
RGB	144, 179, 215
RGB Percent	56%, 70%, 84%
CMY	0.4353, 0.2980, 0.1569
CMYK	0.33, 0.17, 0.00, 0.16
HSL	210°, 47%, 70%
HSV	210°, 33%, 84%
XYZ	39.8874, 43.0758, 70.5021
YIQ	172.6390, -32.4160, 3.7760

Conversions

Conversions Part 2

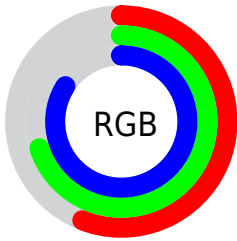
Format	Color
RYB	144, 167, 215
Decimal	9483223
CIELab	71.61, -3.27, -21.98
CIElCh	72, 22.222, 261.535
Yxy	43.0758, 0.2599, 0.2807
Android (android.graphics.Color)	4287673303 (0xFF90B3D7)
YUV	172.6390, 20.8840, -25.1164
Hunter-Lab	65.6322, -6.3744, -17.7468

Details

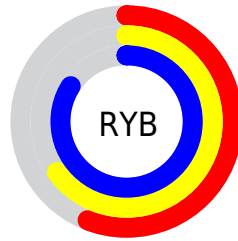
The XYZ color **39.8874, 43.0758, 70.5021** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.3802, 49.1036, 33.2620**, and the grayscale version is **39.4468, 41.5011, 45.1947**.

A 20% lighter version of the original color is **71.3115, 78.7788, 106.0550**, and **18.1204, 19.6839, 36.1020** is the 20% darker color. If you saturate the color by 10%, you get **34.3849, 37.1238, 69.6440**, and if you desaturate by 10%, it is **46.2805, 49.7453, 71.4532**.

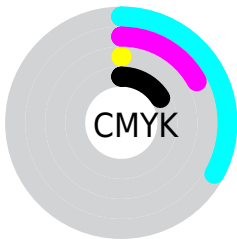
Distribution



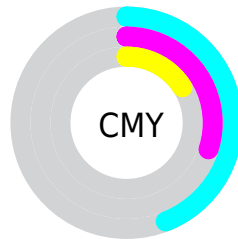
- Red (56%)
- Green (70%)
- Blue (84%)



- Red (56%)
- Yellow (65%)
- Blue (84%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8874, 43.0758, 70.5021 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 39.8874, 43.0758, 70.5021 by changing the saturation by 10% instead.

■ 39.8874, 43.0758,
70.5021

■ 39.8874, 43.0758,
70.5021

336.7913,
358.9234, 481.1477

■ 27.6346, 29.9446,
51.4566

■ 74.2775, 79.8252,
121.6123

■ 18.1894, 19.7965,
36.1929

■ 97.1454, 104.2122,
154.5142

■ 11.1866, 12.2472,
24.2923

124.2824,
133.1200, 192.8719

■ 6.2607, 6.9123,
15.3364

156.0539,
166.9329, 237.1041

■ 3.0464, 3.4073,
8.9066

192.8252,
206.0352, 287.6292

■ 1.1783, 1.3479,
4.5843

234.9616,

■ 0.0892, 0.1778,

250.8115, 344.8658

1.9511

282.8285,
301.6461, 409.2324

■ 0.0000, 0.0000,
0.5249

■ 0.0000, 0.0000,
0.0000

■ 39.8874, 43.0758,
70.5021

■ 39.8874, 43.0758,
70.5021

■ 34.3849, 37.1238,
69.6440

■ 46.2805, 49.7453,
71.4532

■ 29.7241, 31.8554,
68.8728

■ 53.6015, 57.1542,
72.4974

■ 25.8576, 27.2408,
68.1858

■ 61.8902, 65.3296,
73.6386

■ 22.7308, 23.2456,
67.5795

■ 71.1830, 74.2957,
74.8794

■ 20.2814, 19.8311,
67.0495

■ 81.5142, 84.0754,
76.2226

■ 18.4349, 16.9519,
66.5911

■ 85.9799, 91.1144,
77.3459

■ 17.4190, 15.2126,
66.3089

■ 89.2659, 97.6863,
78.4412

Harmonies

Analogous

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



36.6086, 43.0758, 65.0499



39.8874, 43.0758, 70.5021



43.6533, 43.0758, 68.9139

Triad

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



39.8874, 43.0758, 70.5021



48.0407, 43.0758, 39.7064



35.5394, 43.0758, 35.1678

Complementary

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



39.8874, 43.0758, 70.5021



49.3802, 49.1036, 33.2620

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.



38.3459, 43.0758, 30.1611



39.8874, 43.0758, 70.5021



45.6051, 43.0758, 32.4889

Square

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



39.8874, 43.0758, 70.5021



48.5160, 43.0758, 50.0160



42.0155, 43.0758, 29.2616



34.2008, 43.0758, 43.9204

Rectangle

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



39.8874, 43.0758, 70.5021



45.9246, 43.0758, 64.1674



42.0155, 43.0758, 29.2616



36.3340, 43.0758, 33.0502

Sweetspot

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



39.8888, 43.0775, 70.5031



82.2961, 87.5069, 107.1608



43.9904, 57.8060, 51.7536



17.2566, 18.3744, 22.8870



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.



39.8888, 43.0775, 70.5031



52.6099, 56.8384, 102.8058



33.7417, 30.7833, 68.4541



12.2431, 13.0096, 15.8033



10.5242, 9.3103, 39.6955



0.7175, 0.7271, 2.4218

Inverse Universe

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



46.1354, 37.6494, 47.4851



63.4446, 48.3678, 62.6695



57.3596, 65.0623, 35.9218



12.6759, 12.5219, 14.2336



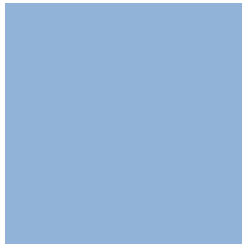
18.3710, 9.2847, 9.2577



1.1498, 0.5767, 0.7783

Previews

White Background



This preview shows how the XYZ color 39.8874, 43.0758, 70.5021 looks on a white background.

Color Contrast Check

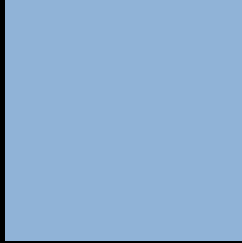
Large Text (above 18pt) WCAG AA × Fail

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 39.8874, 43.0758, 70.5021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

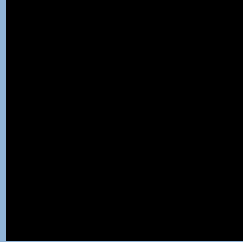
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

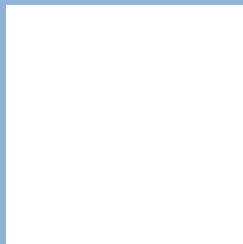
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8874, 43.0758, 70.5021

Background



This preview shows how black text looks on a background with the XYZ color 39.8874, 43.0758, 70.5021.

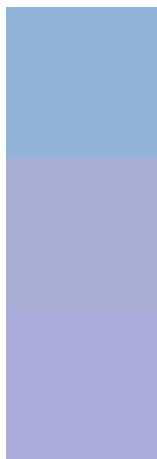


This preview shows how white text looks on a background with the XYZ color 39.8874, 43.0758,

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

39.8874, 43.0758, 70.5021

Protanopia

42.6378, 42.8058, 67.6431

Deuteranopia

43.8819, 42.7935, 71.5928



Tritanopia

37.6212, 43.0626, 59.1524

Trichromacy



Original Color

39.8874, 43.0758, 70.5021

Protanomaly

41.5117, 42.7843, 68.3577

Deuteranomaly

42.2287, 42.8070, 71.0026

Tritanomaly

38.4075, 43.0701, 63.4158

Monochromacy



Original Color

39.8874, 43.0758, 70.5021

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3074, 41.9722, 53.6067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8874, 43.0758, 70.5021 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(144, 179, 215)` looks like.

```
.text, #text, p{  
    color:rgb(144, 179, 215)  
}
```

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(144, 179, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 179, 215) }
```

Border

The CSS property to change the border of an element to XYZ 39.8874, 43.0758, 70.5021 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(144, 179, 215) }
```


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

```
.border{ border-color:rgb(144, 179, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 179, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 179, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 179, 215);  
box-shadow:4px 4px 4px 4px rgb(144, 179,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8874, 43.0758, 70.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 179, 215) }
```

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

```
.background{ background-color: rgb(144,  
179, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor