

Converting Colors

XYZ(39.9149, 47.2649, 70.7723)

Have a look what the booklet for
XYZ(39.9149, 47.2649, 70.7723)
contains.

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Color

**XYZ(39.8893, 47.1435,
70.6155)**

Conversions

Conversions Part 1

Format	Color
Hex	80C0D6
RGB	128, 192, 214
RGB Percent	50%, 75%, 84%
CMY	0.4980, 0.2470, 0.1608
CMYK	0.40, 0.10, 0.00, 0.16
HSL	195°, 51%, 67%
HSV	195°, 40%, 84%
XYZ	39.8893, 47.1435, 70.6155
YIQ	175.3720, -45.2060, -6.7260

Conversions

Conversions Part 2

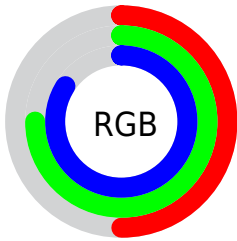
Format	Color
R _{YB}	128, 165, 214
Decimal	8437974
CIE Lab	74.28, -14.80, -17.46
CIE LCh	74, 22.887, 229.723
Yxy	47.1435, 0.2530, 0.2990
Android (android.graphics.Color)	4286628054 (0xFF80C0D6)
YUV	175.3720, 19.0436, -41.5452
Hunter-Lab	68.6611, -16.4558, -12.9148

Details

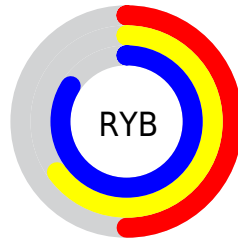
The XYZ color **39.8893, 47.1435, 70.6155** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.5350, 37.6681, 25.4522**, and the grayscale version is **40.8626, 42.9906, 46.8168**.

A 20% lighter version of the original color is **71.3846, 84.5452, 107.1642**, and **18.0941, 22.0966, 36.1123** is the 20% darker color. If you saturate the color by 10%, you get **35.8242, 43.2976, 70.0883**, and if you desaturate by 10%, it is **44.6808, 51.4324, 71.1916**.

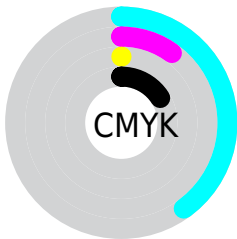
Distribution



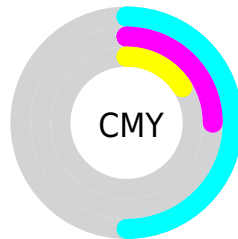
- Red (50%)
- Green (75%)
- Blue (84%)



- Red (50%)
- Yellow (65%)
- Blue (84%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8893, 47.1435, 70.6155 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 39.8893, 47.1435, 70.6155 by changing the saturation by 10% instead.

■ 39.8893, 47.1435,
70.6155

■ 39.8893, 47.1435,
70.6155

336.7992,
375.3870, 481.5556

■ 27.6361, 33.1491,
51.5486

■ 74.2803, 85.9278,
121.7754

■ 18.1906, 22.2407,
36.2656

■ 97.1488, 111.4865,
154.7055

■ 11.1874, 14.0339,
24.3481

■ 124.2865,
141.6687, 193.0937

■ 6.2612, 8.1442,
15.3775

156.0586,
176.8589, 237.3586

■ 3.0467, 4.1874,
8.9352

192.8306,
217.4414, 287.9187

■ 1.1785, 1.7789,
4.6027

234.9678,

■ 0.0893, 0.4740,

263.8007, 345.1925

1.9615

282.8355,
316.3211, 409.5986

■ 0.0000, 0.0000,
0.5314

■ 0.0000, 0.0000,
0.0000

■ 39.8893, 47.1435,
70.6155

■ 39.8893, 47.1435,
70.6155

■ 35.8242, 43.2976,
70.0883

■ 44.6808, 51.4324,
71.1916

■ 32.4377, 39.8661,
69.6044

■ 50.2341, 56.1800,
71.8153

■ 29.6827, 36.8252,
69.1626

■ 56.5874, 61.4078,
72.4895

■ 27.5040, 34.1455,
68.7602

■ 63.7751, 67.1341,
73.2160

■ 25.8361, 31.7926,
68.3940

■ 71.8292, 73.3762,
73.9963

■ 24.5807, 29.7411,
68.0642

■ 80.2618, 79.8832,
74.8079

■ 81.7642, 82.8880,
75.3087

■ 83.3145, 85.9885,
75.8254

■ 84.9130, 89.1856,
76.3583

Harmonies

Analogous

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



37.7708, 47.1435, 59.3576



39.8893, 47.1435, 70.6155



43.4127, 47.1435, 76.9884

Triad

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



39.8893, 47.1435, 70.6155



53.0464, 47.1435, 55.4777



42.1931, 47.1435, 32.8315

Complementary

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



39.8893, 47.1435, 70.6155



42.5350, 37.6681, 25.4522

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.



46.2338, 47.1435, 32.1203



39.8893, 47.1435, 70.6155



52.6702, 47.1435, 44.0632

Square

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



39.8893, 47.1435, 70.6155



51.1148, 47.1435, 67.4044



50.1163, 47.1435, 35.9224



39.0435, 47.1435, 38.0409

Rectangle

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



39.8893, 47.1435, 70.6155



46.1570, 47.1435, 77.0383



50.1163, 47.1435, 35.9224



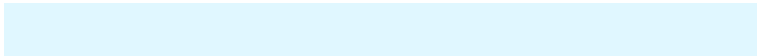
43.4865, 47.1435, 32.0925

Sweetspot

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



39.8908, 47.1453, 70.6166



82.2282, 89.7585, 107.5990



38.4146, 54.8692, 37.2110



17.3252, 18.9875, 23.0018



0.0000, 0.0000, 0.0000



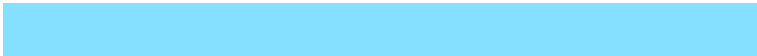
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8908, 47.1453, 70.6166



54.2324, 65.3192, 104.3573



31.8676, 31.0990, 67.9422



12.5108, 13.5450, 15.8926



14.9448, 18.1514, 41.1690



0.9661, 1.2242, 2.5047

Inverse Universe

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



44.9663, 33.5415, 53.9753



62.9855, 43.2908, 75.3375



50.5884, 53.7749, 28.1366



12.8110, 12.5759, 14.9451



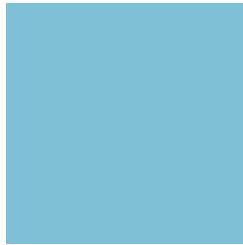
20.6023, 10.1772, 21.0076



1.2753, 0.6269, 1.4390

Previews

White Background



This preview shows how the XYZ color 39.8893, 47.1435, 70.6155 looks on a white background.

Color Contrast Check

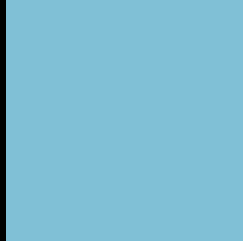
Large Text (above 18pt) WCAG AA × Fail

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 39.8893, 47.1435, 70.6155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

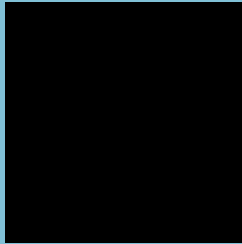
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8893, 47.1435, 70.6155

Background



This preview shows how black text looks on a background with the XYZ color 39.8893, 47.1435, 70.6155.



This preview shows how white text looks on a background with the XYZ color 39.8893, 47.1435,

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

39.8893, 47.1435, 70.6155

Protanopia

46.0245, 46.9690, 65.0327

Deuteranopia

47.7362, 46.7956, 72.1621



Tritanopia

39.0593, 47.1296, 66.7128

Trichromacy



Original Color

39.8893, 47.1435, 70.6155

Protanomaly

43.3548, 46.7750, 67.0650

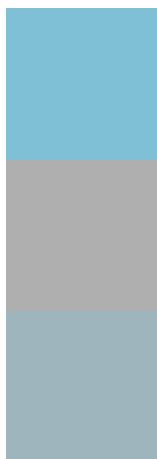
Deuteranomaly

44.2284, 46.5062, 71.6113

Tritanomaly

39.4552, 47.3051, 68.0241

Monochromacy



Original Color

39.8893, 47.1435, 70.6155

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8097, 43.9910, 54.5370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8893, 47.1435, 70.6155 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(128, 192, 214)` looks like.

```
.text, #text, p{  
    color:rgb(128, 192, 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(128, 192, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 192, 214) }
```

Border

The CSS property to change the border of an element to XYZ 39.8893, 47.1435, 70.6155 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(128, 192, 214) }
```


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

```
.border{ border-color:rgb(128, 192, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 192, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 192, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 192, 214);  
box-shadow:4px 4px 4px 4px rgb(128, 192,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8893, 47.1435, 70.6155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 192, 214) }
```

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

```
.background{ background-color: rgb(128,  
192, 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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