

Converting Colors

XYZ(39.6816, 42.5832, 82.6604)

Have a look what the booklet for
XYZ(39.6816, 42.5832, 82.6604)
contains.

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Color

**XYZ(39.7388, 42.7335,
82.4979)**

Conversions

Conversions Part 1

Format	Color
Hex	81B3E8
RGB	129, 179, 232
RGB Percent	51%, 70%, 91%
CMY	0.4941, 0.2980, 0.0902
CMYK	0.44, 0.23, 0.00, 0.09
HSL	211°, 69%, 71%
HSV	211°, 44%, 91%
XYZ	39.7388, 42.7335, 82.4979
YIQ	170.0920, -46.8130, 5.8830

Conversions

Conversions Part 2

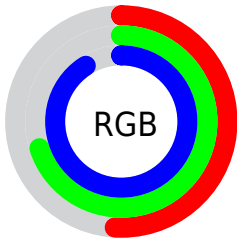
Format	Color
RYB	129, 163, 232
Decimal	8500200
CIELab	71.37, -2.73, -31.69
CIELCh	71, 31.803, 265.069
Yxy	42.7335, 0.2409, 0.2590
Android (android.graphics.Color)	4286690280 (0xFF81B3E8)
YUV	170.0920, 30.5206, -36.0377
Hunter-Lab	65.3709, -5.8893, -29.0643

Details

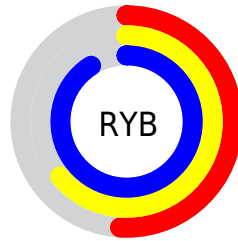
The XYZ color **39.7388, 42.7335, 82.4979** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.9702, 52.1979, 28.0010**, and the grayscale version is **38.1249, 40.1104, 43.6802**.

A 20% lighter version of the original color is **68.0080, 77.0758, 105.9004**, and **18.0450, 19.4728, 43.8818** is the 20% darker color. If you saturate the color by 10%, you get **34.3169, 36.5397, 81.5889**, and if you desaturate by 10%, it is **46.1707, 49.7572, 83.5154**.

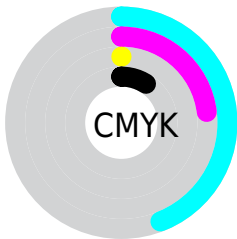
Distribution



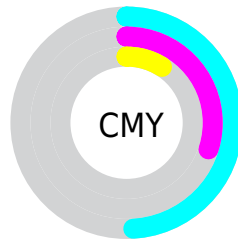
- Red (51%)
- Green (70%)
- Blue (91%)



- Red (51%)
- Yellow (64%)
- Blue (91%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7388, 42.7335, 82.4979 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 39.7388, 42.7335, 82.4979 by changing the saturation by 10% instead.

■ 39.7388, 42.7335,
82.4979

■ 39.7388, 42.7335,
82.4979

336.1748,
357.5146, 523.2387

■ 27.5183, 29.6761,
61.2378

■ 74.0525, 79.3085,
138.7149

■ 18.1014, 19.5928,
43.9853

■ 96.8763, 103.5950,
174.5090

■ 11.1230, 12.0994,
30.3219

■ 123.9653,
132.3931, 215.9848

■ 6.2175, 6.8114,
19.8289

155.6848,
166.0875, 263.5609

■ 3.0197, 3.3445,
12.0879

192.4001,
205.0625, 317.6557

■ 1.1642, 1.3141,
6.6803

234.4766,

■ 0.0778, 0.1521,

249.7024, 378.6880

3.1876

282.2797,
300.3916, 447.0761

■ 0.0000, 0.0000,
1.1912

■ 0.0000, 0.0000,
0.0000

■ 39.7388, 42.7335,
82.4979

■ 39.7388, 42.7335,
82.4979

■ 34.3169, 36.5397,
81.5889

■ 46.1707, 49.7572,
83.5154

■ 29.8406, 31.1324,
80.7811

■ 53.6631, 57.6417,
84.6424

■ 26.2442, 26.4703,
80.0708

■ 62.2678, 66.4218,
85.8836

■ 23.4505, 22.5052,
79.4527

■ 72.0320, 76.1289,
87.2426

■ 21.3659, 19.1803,
78.9208

■ 83.0000, 86.7926,
88.7228

■ 20.4287, 17.5525,
78.6560

■ 90.1874, 95.8498,
90.0922

■ 91.5656, 98.6063,
90.5516

Harmonies

Analogous

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



35.0054, 42.7335, 75.1123



39.7388, 42.7335, 82.4979



45.1346, 42.7335, 78.6525

Triad

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



39.7388, 42.7335, 82.4979



50.6685, 42.7335, 35.1269



32.7515, 42.7335, 31.6133

Complementary

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



39.7388, 42.7335, 82.4979



53.9702, 52.1979, 28.0010

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.



36.4112, 42.7335, 24.6155



39.7388, 42.7335, 82.4979



46.7982, 42.7335, 26.3099

Square

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



39.7388, 42.7335, 82.4979



51.7553, 42.7335, 49.1090



41.5079, 42.7335, 22.9119



31.2035, 42.7335, 44.0420

Rectangle

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



39.7388, 42.7335, 82.4979



48.3458, 42.7335, 70.5998



41.5079, 42.7335, 22.9119



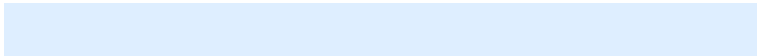
33.7590, 42.7335, 28.6657

Sweetspot

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



39.7402, 42.7351, 82.4989



78.6860, 83.8414, 106.6436



46.2004, 65.6971, 53.6948



16.3005, 17.4006, 22.7495



0.0000, 0.0000, 0.0000



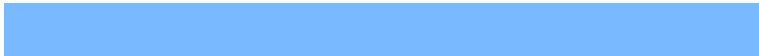
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7402, 42.7351, 82.4989



43.2197, 46.0919, 101.2264



31.4704, 26.1953, 79.7423



14.1574, 15.0362, 18.3004



11.4662, 9.9945, 43.7080



0.9400, 0.9240, 3.2608

Inverse Universe

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



49.2669, 36.1124, 47.0231



56.7438, 38.1790, 50.5309



66.0987, 76.4549, 32.0438



14.6670, 14.4840, 16.4471



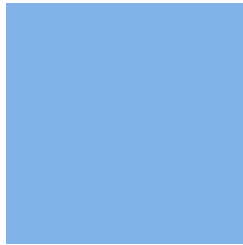
20.1811, 10.2067, 9.8487



1.5381, 0.7730, 0.9742

Previews

White Background



This preview shows how the XYZ color 39.7388, 42.7335, 82.4979 looks on a white background.

Color Contrast Check

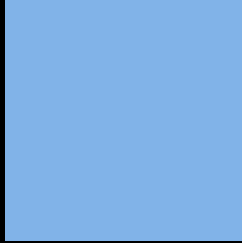
Large Text (above 18pt) WCAG AA × Fail

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 39.7388, 42.7335, 82.4979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

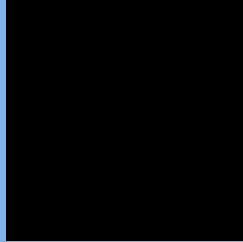
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

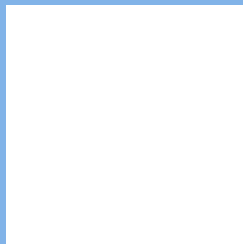
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7388, 42.7335, 82.4979

Background



This preview shows how black text looks on a background with the XYZ color 39.7388, 42.7335, 82.4979.



This preview shows how white text looks on a background with the XYZ color 39.7388, 42.7335,

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

39.7388, 42.7335, 82.4979

Protanopia

43.1149, 42.5247, 78.6087

Deuteranopia

43.7044, 42.7147, 83.7832



Tritanopia

35.5200, 42.8611, 61.0445

Trichromacy



Original Color

39.7388, 42.7335, 82.4979

Protanomaly

41.8673, 42.7066, 80.1653

Deuteranomaly

42.0706, 42.7462, 83.1243

Tritanomaly

36.9855, 42.8314, 68.6053

Monochromacy



Original Color

39.7388, 42.7335, 82.4979

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0868, 40.7060, 56.3017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7388, 42.7335, 82.4979 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(129, 179, 232)` looks like.

```
.text, #text, p{  
    color:rgb(129, 179, 232)  
}
```

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(129, 179, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 179, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.7388, 42.7335, 82.4979 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(129, 179, 232) }
```


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

```
.border{ border-color:rgb(129, 179, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 179, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 179, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 179, 232); box-shadow:4px 4px 4px 4px rgb(129, 179, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7388, 42.7335, 82.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 179, 232) }
```

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

```
.background{ background-color: rgb(129,  
179, 232) }
```

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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