

Converting Colors

XYZ(32.2448, 37.9720, 81.0959)

Have a look what the booklet for
XYZ(32.2448, 37.9720, 81.0959)
contains.

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Color

**XYZ(32.2639, 38.0135,
81.2382)**

Conversions

Conversions Part 1

Format	Color
Hex	43B0E7
RGB	67, 176, 231
RGB Percent	26%, 69%, 91%
CMY	0.7372, 0.3098, 0.0941
CMYK	0.71, 0.24, 0.00, 0.09
HSL	200°, 77%, 58%
HSV	200°, 71%, 91%
XYZ	32.2639, 38.0135, 81.2382
YIQ	149.6790, -82.6190, -6.0030

Conversions

Conversions Part 2

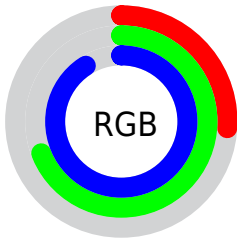
Format	Color
R _Y B	67, 132, 231
Decimal	4436199
CIE Lab	68.03, -13.41, -36.52
CIE LCh	68, 38.902, 249.833
Yxy	38.0135, 0.2129, 0.2509
Android (android.graphics.Color)	4282626279 (0xFF43B0E7)
YUV	149.6790, 40.0913, -72.5095
Hunter-Lab	61.6551, -14.4880, -34.9633

Details

The XYZ color **32.2639, 38.0135, 81.2382** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.9295, 31.3160, 9.1993**, and the grayscale version is **28.7161, 30.2116, 32.9004**.

A 20% lighter version of the original color is **56.7381, 70.0016, 105.1290**, and **14.9455, 17.5104, 43.1496** is the 20% darker color. If you saturate the color by 10%, you get **29.5086, 34.4026, 80.6872**, and if you desaturate by 10%, it is **35.7397, 42.1258, 81.8495**.

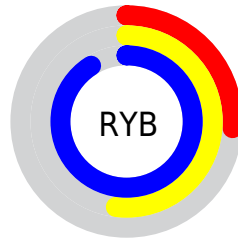
Distribution



Red (26%)

Green (69%)

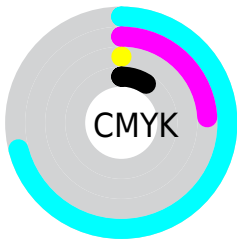
Blue (91%)



Red (26%)

Yellow (52%)

Blue (91%)

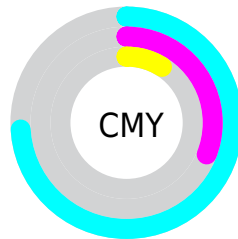


Cyan (71%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (74%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2639, 38.0135, 81.2382 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 32.2639, 38.0135, 81.2382 by changing the saturation by 10% instead.

■ 32.2639, 38.0135,
81.2382

■ 32.2639, 38.0135,
81.2382

304.0436,
337.6779, 518.9123

■ 21.7197, 25.9932,
60.2057

■ 62.5870, 72.1288,
136.9323

■ 13.7665, 16.8185,
43.1580

■ 83.0965, 94.9926,
172.4309

■ 8.0391, 10.1052,
29.6768

■ 107.6586,
122.2397, 213.5885

■ 4.1720, 5.4688,
19.3434

■ 136.6385,
154.2544, 260.8239

■ 1.7999, 2.5248,
11.7394

170.4016,
191.4212, 314.5554

■ 0.5176, 0.8890,
6.4461

209.3132,

■ 0.0000, 0.0000,

234.1244, 375.2016

3.0450

253.7388,
282.7485, 443.1810

■ 0.0000, 0.0000,
1.1177

■ 0.0000, 0.0000,
0.0000

■ 32.2639, 38.0135,
81.2382

■ 32.2639, 38.0135,
81.2382

■ 29.5086, 34.4026,
80.6872

■ 35.7397, 42.1258,
81.8495

■ 27.3882, 31.2450,
80.1895

■ 40.0006, 46.7730,
82.5219

■ 25.9018, 28.7254,
79.7815

■ 45.1076, 51.9892,
83.2596

■ 51.1145, 57.8041,
84.0654

■ 58.0704, 64.2450,
84.9420

■ 66.0204, 71.3370,
85.8919

■ 75.0069, 79.1038,
86.9174

■ 85.0696, 87.5677,
88.0207

■ 88.5370, 92.7757,
88.8432

Harmonies

Analogous

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



27.9079, 38.0135, 66.6307



32.2639, 38.0135, 81.2382



38.1555, 38.0135, 83.6992

Triad

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



32.2639, 38.0135, 81.2382



48.8581, 38.0135, 35.9535



29.1748, 38.0135, 20.7035

Complementary

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



32.2639, 38.0135, 81.2382



40.9295, 31.3160, 9.1993

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.



34.1788, 38.0135, 16.4638



32.2639, 38.0135, 81.2382



45.8281, 38.0135, 23.4962

Square

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



32.2639, 38.0135, 81.2382



48.1974, 38.0135, 53.9817



40.2947, 38.0135, 17.3189



26.2674, 38.0135, 30.9269

Rectangle

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



32.2639, 38.0135, 81.2382



42.2371, 38.0135, 77.5728



40.2947, 38.0135, 17.3189



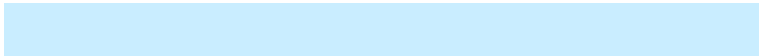
30.6432, 38.0135, 18.6814

Sweetspot

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



32.2652, 38.0148, 81.2391



72.5545, 80.2918, 106.2816



34.3844, 59.7432, 28.0261



14.9871, 16.6902, 22.6816



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.



32.2652, 38.0148, 81.2391



35.6494, 41.2185, 100.6848



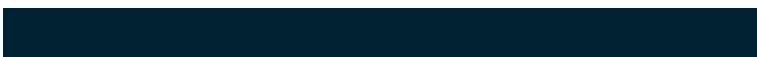
20.7727, 15.0298, 77.4083



14.3790, 15.4793, 18.3743



14.6396, 16.3414, 44.7658



1.1666, 1.3771, 3.3363

Inverse Universe

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



42.7999, 24.1394, 43.4790



50.4164, 26.0524, 46.7937



55.4832, 60.4232, 14.0505



14.7789, 14.5287, 17.0359



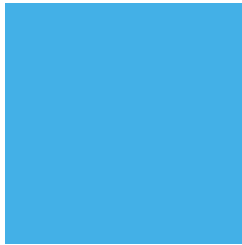
21.7829, 10.8474, 18.2837



1.6525, 0.8187, 1.5764

Previews

White Background



This preview shows how the XYZ color 32.2639, 38.0135, 81.2382 looks on a white background.

Color Contrast Check

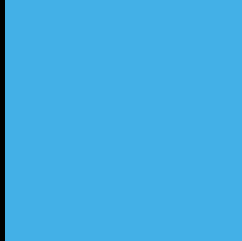
Large Text (above 18pt) WCAG AA × Fail

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 32.2639, 38.0135, 81.2382 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

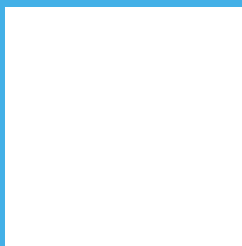
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2639, 38.0135, 81.2382

Background



This preview shows how black text looks on a background with the XYZ color 32.2639, 38.0135, 81.2382.

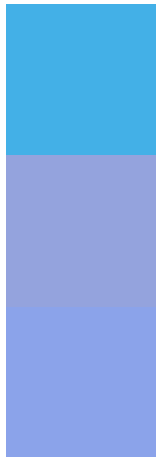


This preview shows how white text looks on a background with the XYZ color 32.2639, 38.0135,

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

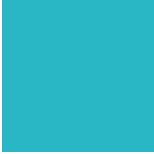
32.2639, 38.0135, 81.2382

Protanopia

38.3611, 37.7107, 73.6637

Deuteranopia

38.5959, 37.6239, 83.0698



Tritanopia

27.7204, 37.9585, 58.6890

Trichromacy



Original Color

32.2639, 38.0135, 81.2382

Protanomaly

35.2010, 37.3634, 76.5907

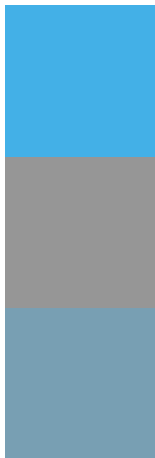
Deuteranomaly

35.5207, 37.3992, 82.4374

Tritanomaly

29.1453, 37.9241, 66.1056

Monochromacy



Original Color

32.2639, 38.0135, 81.2382

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.2805, 32.0440, 47.3424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2639, 38.0135, 81.2382 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(67, 176, 231)` looks like.

```
.text, #text, p{  
    color:rgb(67, 176, 231)  
}
```

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(67, 176, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 176, 231) }
```

Border

The CSS property to change the border of an element to XYZ 32.2639, 38.0135, 81.2382 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(67, 176, 231) }
```


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

```
.border{ border-color:rgb(67, 176, 231) }
```

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

Here you see how a box with a 4 pixel rgb(67, 176, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 176, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 176, 231);  
box-shadow:4px 4px 4px 4px rgb(67, 176,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2639, 38.0135, 81.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 176, 231) }
```

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

```
.background{ background-color: rgb(67, 176,  
231) }
```

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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