

Converting Colors

XYZ(15.3399, 30.0851, 89.7632)

Have a look what the booklet for
XYZ(15.3399, 30.0851, 89.7632)
contains.

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Color

**XYZ(32.2978, 38.7113,
90.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	00B3F3
RGB	0, 179, 243
RGB Percent	0%, 70%, 95%
CMY	0.9997, 0.2980, 0.0471
CMYK	1.00, 0.26, 0.00, 0.05
HSL	196°, 100%, 48%
HSV	196°, 100%, 95%
XYZ	32.2978, 38.7113, 90.5638
YIQ	132.7750, -127.2280, -18.0440

Conversions

Conversions Part 2

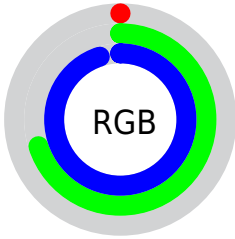
Format	Color
RYB	0, 103, 243
Decimal	46067
CIELab	68.54, -15.49, -42.33
CIELCh	69, 45.073, 249.896
Yxy	38.7113, 0.1999, 0.2396
Android (android.graphics.Color)	4278236147 (0xFF00B3F3)
YUV	132.7750, 54.3409, -116.4437
Hunter-Lab	62.2184, -16.2222, -42.7484

Details

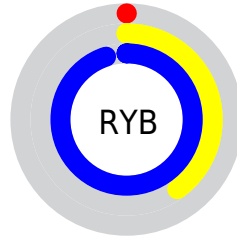
The XYZ color **32.2978, 38.7113, 90.5638** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **38.8002, 22.7296, 2.3443**, and the grayscale version is **22.0627, 23.2117, 25.2775**.

A 20% lighter version of the original color is **54.1887, 69.9517, 105.2537**, and **16.3238, 18.4669, 49.1585** is the 20% darker color. If you saturate the color by 10%, you get **32.2946, 38.7047, 90.5635**, and if you desaturate by 10%, it is **33.9969, 41.5370, 91.0205**.

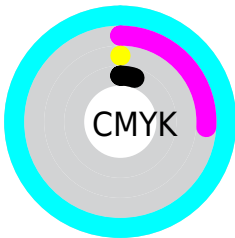
Distribution



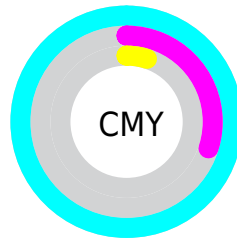
- Red (0%)
- Green (70%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2978, 38.7113, 90.5638 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 32.2978, 38.7113, 90.5638 by changing the saturation by 10% instead.


 32.2978, 38.7113,
90.5638


 32.2978, 38.7113,
90.5638


304.1948,
340.6615, 550.4805


 21.7457, 26.5352,
67.8720


 62.6397, 73.1971,
150.0636


 13.7857, 17.2245,
49.3276


 83.1602, 96.2756,
187.7088


 8.0525, 10.3947,
34.5120


 107.7343,
123.7569, 231.1754

 4.1806, 5.6614,
23.0066

 136.7272,
156.0257, 280.8822

 1.8048, 2.6403,
14.3931

 170.5044,
193.4661, 337.2475

 0.5206, 0.9470,
8.2527

209.4311,

 0.0000, 0.0000,

236.4626, 400.6900

4.1670

253.8728,
285.3996, 471.6281

■ 0.0000, 0.0000,
1.7174

■ 0.0000, 0.0000,
0.3726

■ 32.2978, 38.7113,
90.5638

■ 32.2978, 38.7113,
90.5638

■ 32.2946, 38.7047,
90.5635

■ 33.9969, 41.5370,
91.0205

■ 36.2356, 44.7299,
91.5188

■ 39.1647, 48.3694,
92.0669

■ 42.8744, 52.5032,
92.6693

■ 47.4401, 57.1713,
93.3297

■ 52.9282, 62.4089,
94.0514

■ 59.3981, 68.2478,
94.8374

■ 66.9040, 74.7168,
95.6904

■ 75.4961, 81.8430,
96.6131

Harmonies

Analogous

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



27.2818, 38.7113, 72.5328



32.2978, 38.7113, 90.5638



39.1907, 38.7113, 93.5950

Triad

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



32.2978, 38.7113, 90.5638



51.9493, 38.7113, 35.7806



28.7132, 38.7113, 18.7053

Complementary

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



32.2978, 38.7113, 90.5638



38.8002, 22.7296, 2.3443

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.



34.4969, 38.7113, 14.1729



32.2978, 38.7113, 90.5638



48.2941, 38.7113, 21.7157

Square

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



32.2978, 38.7113, 90.5638



51.1621, 38.7113, 57.0690



41.6891, 38.7113, 15.0615



25.4043, 38.7113, 30.0880

Rectangle

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



32.2978, 38.7113, 90.5638



44.0273, 38.7113, 85.9474



41.6891, 38.7113, 15.0615



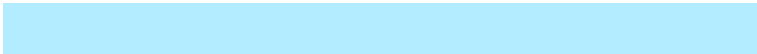
30.3997, 38.7113, 16.5271

Sweetspot

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



32.2992, 38.7126, 90.5648



66.1894, 76.0730, 105.8027



32.8888, 64.4371, 15.0913



13.4858, 15.6760, 22.5649



0.0000, 0.0000, 0.0000



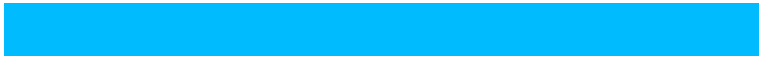
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2992, 38.7126, 90.5648



35.9951, 43.1102, 101.0317



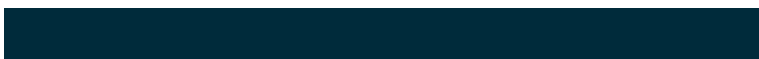
17.8369, 9.7881, 85.7440



16.6058, 17.9758, 21.1370



17.8401, 21.4741, 49.7427



1.6515, 2.0544, 4.3997

Inverse Universe

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



45.1002, 22.3112, 44.5783



50.2979, 24.8831, 49.6280



53.7459, 52.6209, 7.3262



17.0163, 16.6894, 19.8326



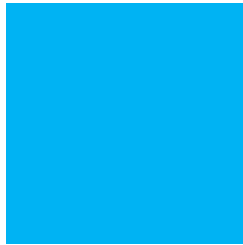
24.8094, 12.2672, 24.7684



2.2227, 1.0950, 2.3989

Previews

White Background



This preview shows how the XYZ color 32.2978, 38.7113, 90.5638 looks on a white background.

Color Contrast Check

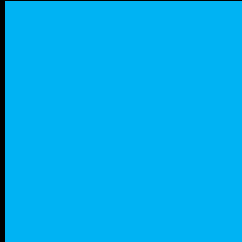
Large Text (above 18pt) WCAG AA × Fail

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 32.2978, 38.7113, 90.5638 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 32.2978, 38.7113, 90.5638

Background



This preview shows how black text looks on a background with the XYZ color 32.2978, 38.7113, 90.5638.



This preview shows how white text looks on a background with the XYZ color 32.2978, 38.7113,

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

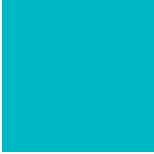
32.2978, 38.7113, 90.5638

Protanopia

39.5533, 38.4314, 80.9346

Deuteranopia

39.4498, 38.3894, 92.5194



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



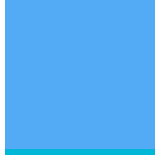
Original Color

32.2978, 38.7113, 90.5638



Protanomaly

33.6976, 36.7012, 83.9053



Deuteranomaly

34.4234, 37.1810, 91.7485



Tritanomaly

29.1992, 38.7733, 70.2350

Monochromacy



Original Color

32.2978, 38.7113, 90.5638



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

22.1955, 26.7611, 43.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2978, 38.7113, 90.5638 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(0, 179, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 243)  
}
```

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(0, 179, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 243) }
```

Border

The CSS property to change the border of an element to XYZ 32.2978, 38.7113, 90.5638 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(0, 179, 243) }
```


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

```
.border{ border-color:rgb(0, 179, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2978, 38.7113, 90.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 243) }
```

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

```
.background{ background-color: rgb(0, 179,  
243) }
```

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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