

Converting Colors

XYZ(20.5427, 37.2744, 81.4913)

Have a look what the booklet for
XYZ(20.5427, 37.2744, 81.4913)
contains.

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Color

**XYZ(33.4938, 43.9095,
82.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1E7
RGB	0, 193, 231
RGB Percent	0%, 76%, 91%
CMY	0.9998, 0.2431, 0.0941
CMYK	1.00, 0.16, 0.00, 0.09
HSL	190°, 100%, 45%
HSV	190°, 100%, 91%
XYZ	33.4938, 43.9095, 82.3114
YIQ	139.6250, -127.2260, -29.0980

Conversions

Conversions Part 2

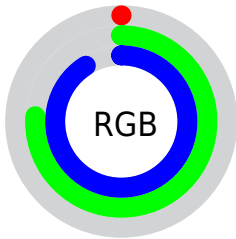
Format	Color
RYB	0, 105, 231
Decimal	49639
CIELab	72.17, -26.87, -30.18
CIELCh	72, 40.406, 228.321
Yxy	43.9095, 0.2097, 0.2749
Android (android.graphics.Color)	4278239719 (0xFF00C1E7)
YUV	139.6250, 45.0479, -122.4511
Hunter-Lab	66.2642, -25.7382, -27.2632

Details

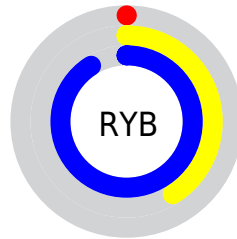
The XYZ color **33.4938, 43.9095, 82.3114** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **33.6508, 18.3793, 1.7757**, and the grayscale version is **24.6559, 25.9399, 28.2486**.

A 20% lighter version of the original color is **58.5423, 78.8424, 106.7403**, and **16.9705, 21.5604, 43.8246** is the 20% darker color. If you saturate the color by 10%, you get **33.4923, 43.9062, 82.3117**, and if you desaturate by 10%, it is **34.7027, 45.7969, 82.6129**.

Distribution



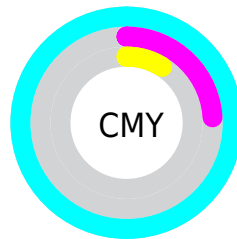
- Red (0%)
- Green (76%)
- Blue (91%)



- Red (0%)
- Yellow (41%)
- Blue (91%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4938, 43.9095, 82.3114 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 33.4938, 43.9095, 82.3114 by changing the saturation by 10% instead.

■ 33.4938, 43.9095,
82.3114

■ 33.4938, 43.9095,
82.3114

309.4948,
362.3388, 522.5995

■ 22.6660, 30.5994,
61.0849

■ 64.4952, 81.0815,
138.4512

■ 14.4664, 20.2940,
43.8627

■ 85.3996, 105.7122,
174.2016

■ 8.5297, 12.6089,
30.2262

■ 110.3936,
134.8853, 215.6304

■ 4.4903, 7.1598,
19.7568

■ 139.8425,
168.9850, 263.1562

■ 1.9831, 3.5622,
12.0361

■ 174.1118,
208.3958, 317.1975

■ 0.6244, 1.4318,
6.6454

213.5666,

■ 0.0000, 0.2400,

253.5021, 378.1727

3.1663

258.5725,
304.6883, 446.5005

■ 0.0000, 0.0000,
1.1802

■ 0.0000, 0.0000,
0.0000

■ 33.4938, 43.9095,
82.3114

■ 33.4938, 43.9095,
82.3114

■ 33.4923, 43.9062,
82.3117

■ 34.7027, 45.7969,
82.6129

■ 36.3570, 47.9456,
82.9404

■ 38.5933, 50.4267,
83.3014

■ 41.4900, 53.2811,
83.6997

■ 45.1135, 56.5431,
84.1384

■ 49.5217, 60.2428,
84.6202

■ 54.7666, 64.4073,
85.1475

■ 60.8956, 69.0612,
85.7228

■ 67.9525, 74.2274,
86.3480

Harmonies

Analogous

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



30.3300, 43.9095, 60.8231



33.4938, 43.9095, 82.3114



39.0975, 43.9095, 95.7070

Triad

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



33.4938, 43.9095, 82.3114



56.1755, 43.9095, 55.9504



37.6885, 43.9095, 19.9822

Complementary

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



33.4938, 43.9095, 82.3114



33.6508, 18.3793, 1.7757

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.



44.4879, 43.9095, 19.3500



33.4938, 43.9095, 82.3114



55.6903, 43.9095, 36.7994

Square

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



33.4938, 43.9095, 82.3114



52.4875, 43.9095, 77.9062



51.2272, 43.9095, 24.6143



32.5608, 43.9095, 26.6755

Rectangle

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



33.4938, 43.9095, 82.3114



43.6909, 43.9095, 96.3246



51.2272, 43.9095, 24.6143



39.8377, 43.9095, 19.1384

Sweetspot

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



33.4953, 43.9110, 82.3125



68.4002, 80.4945, 106.5397



28.8760, 57.2725, 11.0998



14.0186, 16.7417, 22.7426



0.0000, 0.0000, 0.0000



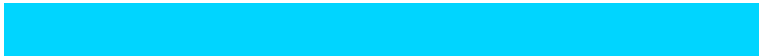
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4953, 43.9110, 82.3125



41.8549, 54.8299, 102.9850



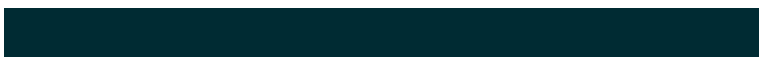
17.3590, 11.6385, 76.9337



14.5950, 15.9114, 18.4463



18.8542, 24.7705, 46.1706



1.4473, 1.9384, 3.4298

Inverse Universe

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



42.5820, 20.8408, 52.2319



53.2556, 26.0663, 65.2035



43.8896, 38.8570, 5.1887



14.8879, 14.5724, 17.6101



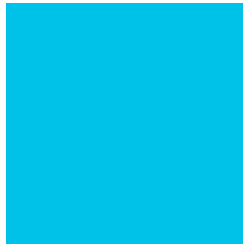
23.9102, 11.6983, 29.4859



1.7941, 0.8754, 2.3224

Previews

White Background



This preview shows how the XYZ color 33.4938, 43.9095, 82.3114 looks on a white background.

Color Contrast Check

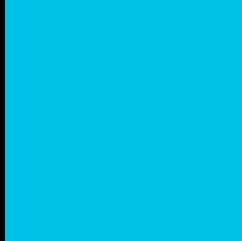
Large Text (above 18pt) WCAG AA × Fail

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 33.4938, 43.9095, 82.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

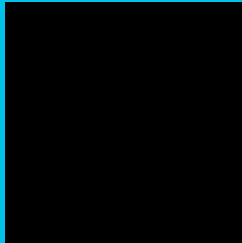
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4938, 43.9095, 82.3114

Background



This preview shows how black text looks on a background with the XYZ color 33.4938, 43.9095, 82.3114.



This preview shows how white text looks on a background with the XYZ color 33.4938, 43.9095,

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

33.4938, 43.9095, 82.3114

Protanopia

43.1775, 43.2812, 71.7240

Deuteranopia

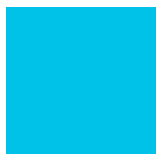
44.3820, 43.3142, 85.3782



Tritanopia

31.2730, 43.7334, 68.4211

Trichromacy



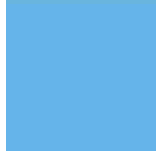
Original Color

33.4938, 43.9095, 82.3114



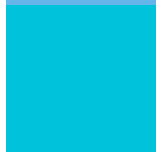
Protanomaly

35.5344, 41.3249, 75.2109



Deuteranomaly

36.5394, 41.3497, 83.8974



Tritanomaly

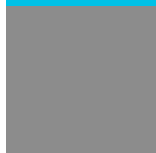
31.9467, 43.6455, 73.0703

Monochromacy



Original Color

33.4938, 43.9095, 82.3114



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.0608, 29.9373, 44.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4938, 43.9095, 82.3114 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, 193, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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(0, 193, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 231) }
```

Border

The CSS property to change the border of an element to XYZ 33.4938, 43.9095, 82.3114 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, 193, 231) }
```


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

```
.border{ border-color:rgb(0, 193, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4938, 43.9095, 82.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 231) }
```

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

```
.background{ background-color: rgb(0, 193,  
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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