

Converting Colors

XYZ(23.2909, 38.6322, 79.8182)

Have a look what the booklet for
XYZ(23.2909, 38.6322, 79.8182)
contains.

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Color

**XYZ(33.0736, 43.7414,
80.0986)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1E4
RGB	0, 193, 228
RGB Percent	0%, 76%, 89%
CMY	0.9998, 0.2431, 0.1059
CMYK	1.00, 0.15, 0.00, 0.11
HSL	189°, 100%, 45%
HSV	189°, 100%, 89%
XYZ	33.0736, 43.7414, 80.0986
YIQ	139.2830, -126.2630, -30.0310

Conversions

Conversions Part 2

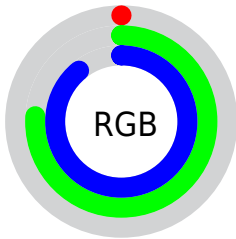
Format	Color
RYB	0, 105, 228
Decimal	49636
CIELab	72.06, -27.87, -28.73
CIELCh	72, 40.021, 225.870
Yxy	43.7414, 0.2108, 0.2788
Android (android.graphics.Color)	4278239716 (0xFF00C1E4)
YUV	139.2830, 43.7375, -122.1512
Hunter-Lab	66.1373, -26.4769, -25.5098

Details

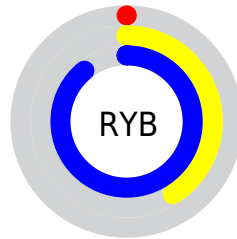
The XYZ color **33.0736, 43.7414, 80.0986** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **32.5984, 17.6999, 1.7001**, and the grayscale version is **24.5288, 25.8062, 28.1029**.

A 20% lighter version of the original color is **58.5423, 78.8424, 106.7403**, and **16.6790, 21.4438, 42.2897** is the 20% darker color. If you saturate the color by 10%, you get **33.0722, 43.7384, 80.0990**, and if you desaturate by 10%, it is **34.2076, 45.4893, 80.3771**.

Distribution



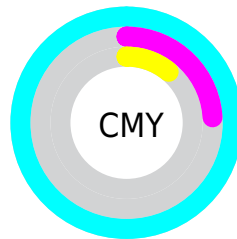
- Red (0%)
- Green (76%)
- Blue (89%)



- Red (0%)
- Yellow (41%)
- Blue (89%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0736, 43.7414, 80.0986 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 33.0736, 43.7414, 80.0986 by changing the saturation by 10% instead.

■ 33.0736, 43.7414,
80.0986

■ 33.0736, 43.7414,
80.0986

307.6404,
361.6520, 514.9806

■ 22.3423, 30.4673,
59.2728

■ 63.8443, 80.8285,
135.3170

■ 14.2267, 20.1935,
42.4113

■ 84.6145, 105.4102,
170.5467

■ 8.3612, 12.5358,
29.0955

■ 109.4617,
134.5299, 211.4149

■ 4.3807, 7.1097,
18.9069

■ 138.7513,
168.5720, 258.3400

■ 1.9197, 3.5308,
11.4269

■ 172.8486,
207.9208, 311.7405

■ 0.5882, 1.4147,
6.2370

212.1189,

■ 0.0000, 0.2275,

252.9608, 372.0351

2.9186

256.9278,
304.0764, 439.6423

■ 0.0000, 0.0000,
1.0532

■ 0.0000, 0.0000,
0.0000

■ 33.0736, 43.7414,
80.0986

■ 33.0736, 43.7414,
80.0986

■ 33.0722, 43.7384,
80.0990

■ 34.2076, 45.4893,
80.3771

■ 35.7705, 47.4850,
80.6799

■ 37.8954, 49.7979,
81.0143

■ 40.6582, 52.4674,
81.3840

■ 44.1231, 55.5268,
81.7919

■ 48.3462, 59.0051,
82.2407

■ 53.3776, 62.9285,
82.7328

■ 59.2634, 67.3207,
83.2704

■ 66.0460, 72.2038,
83.8554

Harmonies

Analogous

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



30.1645, 43.7414, 58.6867



33.0736, 43.7414, 80.0986



38.4463, 43.7414, 94.2843

Triad

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



33.0736, 43.7414, 80.0986



55.6768, 43.7414, 57.4262



38.0813, 43.7414, 19.8079

Complementary

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



33.0736, 43.7414, 80.0986



32.5984, 17.6999, 1.7001

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.



44.8688, 43.7414, 19.6434



33.0736, 43.7414, 80.0986



55.5514, 43.7414, 38.0521

Square

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



33.0736, 43.7414, 80.0986



51.7468, 43.7414, 78.9604



51.4208, 43.7414, 25.3853



32.8318, 43.7414, 25.9207

Rectangle

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



33.0736, 43.7414, 80.0986



42.9344, 43.7414, 95.7774



51.4208, 43.7414, 25.3853



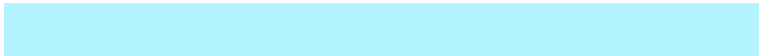
40.2444, 43.7414, 19.1260

Sweetspot

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



33.0751, 43.7429, 80.0997



68.6517, 80.9975, 106.6235



28.0369, 55.6048, 10.7877



14.0794, 16.8633, 22.7628



0.0000, 0.0000, 0.0000



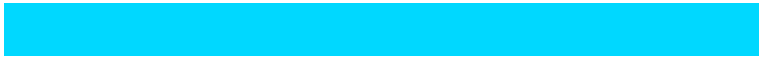
20.3446, 21.4041, 23.3091

Same Dimension

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



33.0751, 43.7429, 80.0997



42.5665, 56.2530, 103.2222



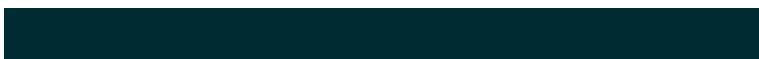
16.8615, 11.3159, 74.6952



14.6091, 15.9395, 18.4510



19.1677, 25.3975, 46.2751



1.4676, 1.9791, 3.4366

Inverse Universe

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



41.6219, 20.3459, 52.1870



53.6148, 26.2099, 67.0949



42.6205, 37.7439, 5.0407



14.8950, 14.5752, 17.6475



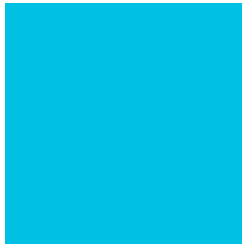
24.0685, 11.7616, 30.3192



1.8044, 0.8795, 2.3765

Previews

White Background



This preview shows how the XYZ color 33.0736, 43.7414, 80.0986 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 33.0736, 43.7414, 80.0986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

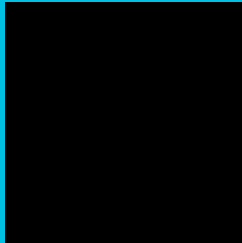
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0736, 43.7414, 80.0986

Background



This preview shows how black text looks on a background with the XYZ color 33.0736, 43.7414, 80.0986.



This preview shows how white text looks on a background with the XYZ color 33.0736, 43.7414,

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

33.0736, 43.7414, 80.0986

Protanopia

42.9995, 43.2341, 69.6970

Deuteranopia

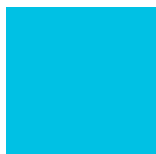
44.3495, 43.3474, 83.1202



Tritanopia

31.1480, 43.6834, 67.7628

Trichromacy



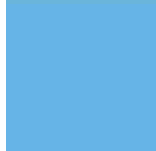
Original Color

33.0736, 43.7414, 80.0986



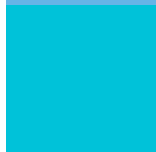
Protanomaly

35.2539, 41.2264, 73.1172



Deuteranomaly

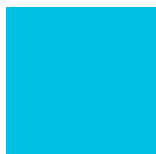
36.2246, 41.2368, 81.6516



Tritanomaly

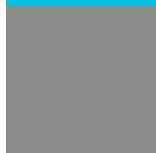
31.8162, 43.5933, 72.3831

Monochromacy



Original Color

33.0736, 43.7414, 80.0986



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.7733, 29.8113, 43.0292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0736, 43.7414, 80.0986 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 228) }
```

Border

The CSS property to change the border of an element to XYZ 33.0736, 43.7414, 80.0986 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, 228) }
```


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

```
.border{ border-color:rgb(0, 193, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0736, 43.7414, 80.0986 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, 228) }
```

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

```
.background{ background-color: rgb(0, 193,  
228) }
```

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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