

Converting Colors

XYZ(23.6239, 44.3455, 86.2425)

Have a look what the booklet for
XYZ(23.6239, 44.3455, 86.2425)
contains.

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Color

**XYZ(37.7959, 51.5991,
86.5648)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1EB
RGB	0, 209, 235
RGB Percent	0%, 82%, 92%
CMY	0.9997, 0.1804, 0.0784
CMYK	1.00, 0.11, 0.00, 0.08
HSL	187°, 100%, 46%
HSV	187°, 100%, 92%
XYZ	37.7959, 51.5991, 86.5648
YIQ	149.4730, -132.9100, -36.2220

Conversions

Conversions Part 2

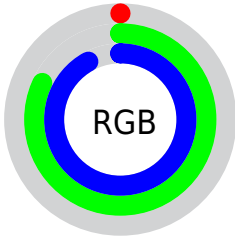
Format	Color
RYB	0, 111, 235
Decimal	53739
CIELab	77.04, -33.35, -24.86
CIELCh	77, 41.602, 216.701
Yxy	51.5991, 0.2148, 0.2932
Android (android.graphics.Color)	4278243819 (0xFF00D1EB)
YUV	149.4730, 42.1648, -131.0878
Hunter-Lab	71.8325, -31.7861, -21.1672

Details

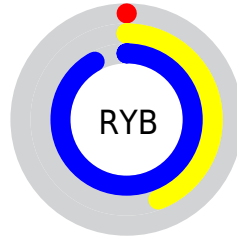
The XYZ color **37.7959, 51.5991, 86.5648** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.6326, 18.4042, 1.7290**, and the grayscale version is **28.6433, 30.1350, 32.8170**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.6923, 26.3659, 46.6991** is the 20% darker color. If you saturate the color by 10%, you get **37.7949, 51.5969, 86.5654**, and if you desaturate by 10%, it is **38.8065, 53.0761, 86.7976**.

Distribution



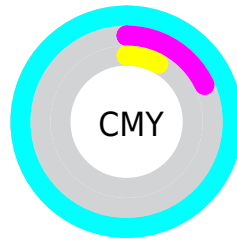
- Red (0%)
- Green (82%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7959, 51.5991, 86.5648 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 37.7959, 51.5991, 86.5648 by changing the saturation by 10% instead.


 37.7959, 51.5991,
86.5648


 37.7959, 51.5991,
86.5648


328.0396,
392.8870, 537.0708


 26.0008, 36.6856,
64.5775


 71.1011, 92.5397,
144.4509

 16.9569, 24.9642,
46.6694


 93.3420, 119.3357,
181.1868


 10.2989, 16.0504,
32.4219


 119.7954,
150.8612, 223.6761

 5.6614, 9.5598,
21.4165

 150.8269,
187.5008, 272.3372

 2.6790, 5.1081,
13.2346

 186.8017,
229.6387, 327.5886

 0.9864, 2.3108,
7.4577

228.0852,

 0.0000, 0.7794,

277.6595, 389.8490

3.6672

275.0427,
331.9474, 459.5369

■ 0.0000, 0.0000,
1.4446

■ 0.0000, 0.0000,
0.1761

■ 37.7959, 51.5991,
86.5648

■ 37.7959, 51.5991,
86.5648

■ 37.7949, 51.5969,
86.5654

■ 38.8065, 53.0761,
86.7976

■ 40.2692, 54.8006,
87.0534

■ 42.3250, 56.8466,
87.3399

■ 45.0560, 59.2562,
87.6611

■ 48.5311, 62.0652,
88.0202

■ 52.8106, 65.3048,
88.4199

■ 57.9487, 69.0028,
88.8629

■ 63.9948, 73.1849,
89.3514

■ 70.9944, 77.8745,
89.8877

Harmonies

Analogous

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



35.3930, 51.5991, 61.4395



37.7959, 51.5991, 86.5648



43.2510, 51.5991, 106.6516

Triad

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



37.7959, 51.5991, 86.5648



64.4396, 51.5991, 75.3055



47.2838, 51.5991, 22.9917

Complementary

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



37.7959, 51.5991, 86.5648



34.6326, 18.4042, 1.7290

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.



55.3312, 51.5991, 24.8391



37.7959, 51.5991, 86.5648



65.8172, 51.5991, 51.2345

Square

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



37.7959, 51.5991, 86.5648



58.7423, 51.5991, 99.0208



62.3264, 51.5991, 33.8986



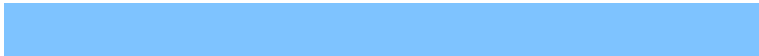
40.4755, 51.5991, 27.9187

Rectangle

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



37.7959, 51.5991, 86.5648



48.1704, 51.5991, 112.0953



62.3264, 51.5991, 33.8986



49.9268, 51.5991, 22.8672

Sweetspot

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



37.7976, 51.6010, 86.5661



69.6436, 82.9813, 106.9541



29.8699, 59.4820, 10.7473



14.3197, 17.3439, 22.8429



0.0000, 0.0000, 0.0000



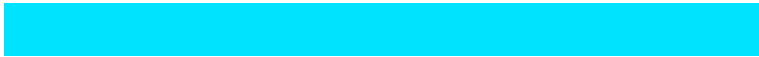
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7976, 51.6010, 86.5661



45.4592, 62.0384, 104.1864



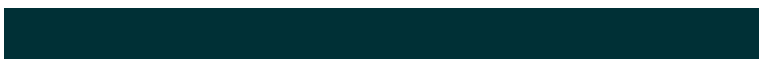
19.0028, 14.0114, 80.3011



15.3671, 16.8205, 19.3590



21.0930, 28.8330, 48.1966



1.6970, 2.3454, 3.7981

Inverse Universe

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



45.7711, 22.2674, 62.2090



55.0749, 26.7940, 74.7836



43.7907, 36.7205, 4.7817



15.6388, 15.2834, 18.6493



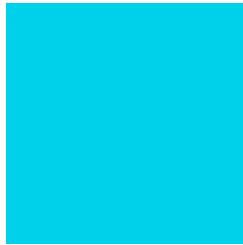
25.5021, 12.4035, 34.7749



2.0231, 0.9822, 2.8387

Previews

White Background



This preview shows how the XYZ color 37.7959, 51.5991, 86.5648 looks on a white background.

Color Contrast Check

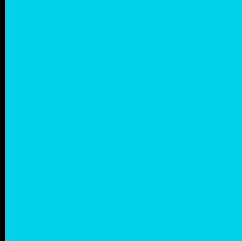
Large Text (above 18pt) WCAG AA × Fail

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 37.7959, 51.5991, 86.5648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

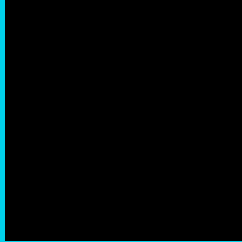
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7959, 51.5991, 86.5648

Background



This preview shows how black text looks on a background with the XYZ color 37.7959, 51.5991, 86.5648.



This preview shows how white text looks on a background with the XYZ color 37.7959, 51.5991,

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

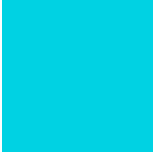
37.7959, 51.5991, 86.5648

Protanopia

50.2170, 50.7752, 74.8640

Deuteranopia

51.8995, 50.6925, 89.4873



Tritanopia

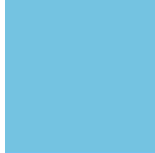
36.9117, 51.6392, 80.6950

Trichromacy



Original Color

37.7959, 51.5991, 86.5648



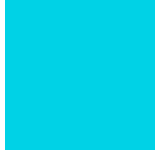
Protanomaly

40.3082, 48.1795, 78.4093



Deuteranomaly

41.7946, 48.4015, 88.0285



Tritanomaly

37.3295, 51.8064, 82.8951

Monochromacy



Original Color

37.7959, 51.5991, 86.5648



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.5204, 34.8540, 48.4570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7959, 51.5991, 86.5648 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, 209, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 235)  
}
```

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, 209, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 235) }
```

Border

The CSS property to change the border of an element to XYZ 37.7959, 51.5991, 86.5648 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, 209, 235) }
```


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

```
.border{ border-color:rgb(0, 209, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7959, 51.5991, 86.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 235) }
```

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

```
.background{ background-color: rgb(0, 209,  
235) }
```

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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