

Converting Colors

XYZ(37.7959, 49.8872, 82.4991)

Have a look what the booklet for
XYZ(37.7959, 49.8872, 82.4991)
contains.

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Color

**XYZ(37.8003, 49.8910,
82.5006)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCCE6
RGB	61, 204, 230
RGB Percent	24%, 80%, 90%
CMY	0.7607, 0.2000, 0.0980
CMYK	0.73, 0.11, 0.00, 0.10
HSL	189°, 77%, 57%
HSV	189°, 73%, 90%
XYZ	37.8003, 49.8910, 82.5006
YIQ	164.2070, -93.5740, -22.2300

Conversions

Conversions Part 2

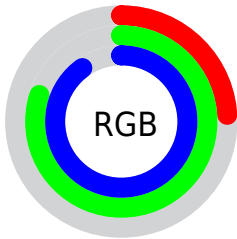
Format	Color
RYB	61, 138, 230
Decimal	4050150
CIELab	76.00, -28.87, -23.71
CIElCh	76, 37.353, 219.396
Yxy	49.8910, 0.2221, 0.2931
Android (android.graphics.Color)	4282240230 (0xFF3DCCE6)
YUV	164.2070, 32.4359, -90.5125
Hunter-Lab	70.6336, -28.0826, -19.8077

Details

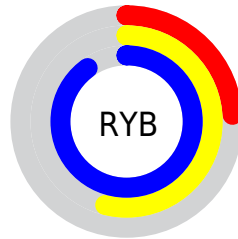
The XYZ color **37.8003, 49.8910, 82.5006** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.8853, 23.9785, 7.1009**, and the grayscale version is **35.2698, 37.1066, 40.4091**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **18.3874, 24.5509, 43.8141** is the 20% darker color. If you saturate the color by 10%, you get **35.8449, 47.6495, 82.1720**, and if you desaturate by 10%, it is **40.3846, 52.4871, 82.8664**.

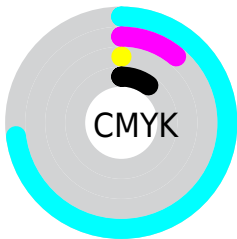
Distribution



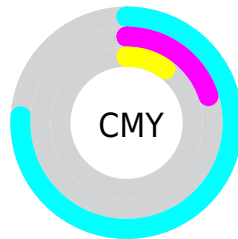
- Red (24%)
- Green (80%)
- Blue (90%)



- Red (24%)
- Yellow (54%)
- Blue (90%)



- Cyan (73%)
- Magenta (11%)
- Yellow (0%)
- Black (10%)



- Cyan (76%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8003, 49.8910, 82.5006 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 37.8003, 49.8910, 82.5006 by changing the saturation by 10% instead.

37.8003, 49.8910,
82.5006

37.8003, 49.8910,
82.5006

328.0582,
386.2395, 523.2480

26.0042, 35.3268,
61.2400

71.1078, 90.0134,
138.7188

16.9595, 23.9147,
43.9871

93.3500, 116.3403,
174.5134

10.3008, 15.2704,
30.3232

119.8049,
147.3569, 215.9899

5.6626, 9.0094,
19.8299

150.8379,
183.4477, 263.5667

2.6797, 4.7473,
12.0886

186.8144,
224.9969, 317.6624

0.9868, 2.0998,
6.6808

228.0997,

0.0000, 0.6645,

272.3890, 378.6954

3.1879

275.0592,
326.0085, 447.0845

■ 0.0000, 0.0000,
1.1914

■ 0.0000, 0.0000,
0.0000

■ 37.8003, 49.8910,
82.5006

■ 37.8003, 49.8910,
82.5006

■ 35.8449, 47.6495,
82.1720

■ 40.3846, 52.4871,
82.8664

■ 34.4297, 45.7137,
81.8729

■ 43.6622, 55.4681,
83.2691

■ 33.7123, 44.5717,
81.6903

■ 47.6944, 58.8669,
83.7126

■ 52.5346, 62.7111,
84.1995

■ 58.2311, 67.0258,
84.7321

■ 64.8284, 71.8342,
85.3125

■ 72.3679, 77.1578,
85.9427

■ 80.8884, 83.0167,
86.6245

■ 85.4753, 86.8775,
87.1279

Harmonies

Analogous

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



35.3904, 49.8910, 60.8319



37.8003, 49.8910, 82.5006



42.8590, 49.8910, 98.7435

Triad

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



37.8003, 49.8910, 82.5006



61.1009, 49.8910, 68.9776



45.2658, 49.8910, 24.5765

Complementary

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



37.8003, 49.8910, 82.5006



36.8853, 23.9785, 7.1009

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.



52.2934, 49.8910, 25.7376



37.8003, 49.8910, 82.5006



61.9065, 49.8910, 48.2955

Square

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



37.8003, 49.8910, 82.5006



56.4430, 49.8910, 89.7029



58.5470, 49.8910, 33.4253



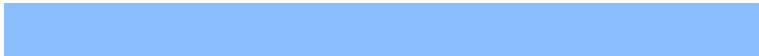
39.4137, 49.8910, 29.7360

Rectangle

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



37.8003, 49.8910, 82.5006



47.2788, 49.8910, 102.4416



58.5470, 49.8910, 33.4253



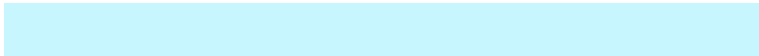
47.5613, 49.8910, 24.2756

Sweetspot

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



37.8019, 49.8928, 82.5018



74.6448, 85.4848, 107.1737



31.9167, 58.2646, 18.4446



15.5243, 17.9611, 22.8986



0.0000, 0.0000, 0.0000



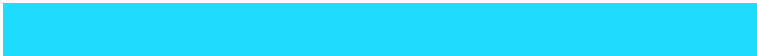
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8019, 49.8928, 82.5018



44.3216, 58.9420, 103.6487



22.9439, 20.1769, 77.5492



14.6087, 15.9387, 18.4509



19.1589, 25.3800, 46.2722



1.4670, 1.9780, 3.4364

Inverse Universe

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



45.2024, 24.5218, 59.4793



54.7011, 27.4118, 70.4495



48.0118, 46.2315, 10.8097



14.8948, 14.5751, 17.6465



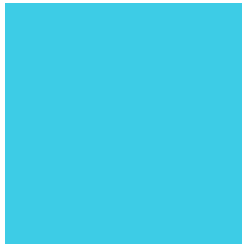
24.0641, 11.7598, 30.2960



1.8041, 0.8794, 2.3750

Previews

White Background



This preview shows how the XYZ color 37.8003, 49.8910, 82.5006 looks on a white background.

Color Contrast Check

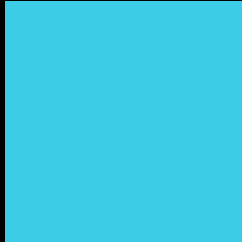
Large Text (above 18pt) WCAG AA × Fail

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 37.8003, 49.8910, 82.5006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

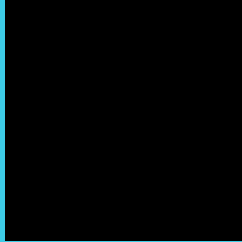
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8003, 49.8910, 82.5006

Background



This preview shows how black text looks on a background with the XYZ color 37.8003, 49.8910, 82.5006.



This preview shows how white text looks on a background with the XYZ color 37.8003, 49.8910,

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

37.8003, 49.8910, 82.5006

Protanopia

48.4873, 48.9940, 72.5469

Deuteranopia

50.3138, 49.0378, 85.4107



Tritanopia

36.5917, 49.7488, 76.7811

Trichromacy



Original Color

37.8003, 49.8910, 82.5006



Protanomaly

42.1321, 47.8539, 76.1234



Deuteranomaly

43.2748, 47.9443, 84.0642



Tritanomaly

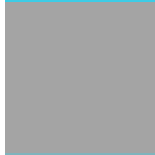
37.1093, 49.9687, 78.9232

Monochromacy



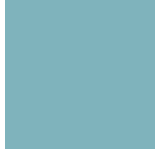
Original Color

37.8003, 49.8910, 82.5006



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.9496, 40.3831, 53.5823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8003, 49.8910, 82.5006 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(61, 204, 230)` looks like.

```
.text, #text, p{  
    color:rgb(61, 204, 230)  
}
```

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(61, 204, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 230) }
```

Border

The CSS property to change the border of an element to XYZ 37.8003, 49.8910, 82.5006 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(61, 204, 230) }
```


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

```
.border{ border-color:rgb(61, 204, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 204, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 230);  
box-shadow:4px 4px 4px 4px rgb(61, 204,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8003, 49.8910, 82.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 230) }
```

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

```
.background{ background-color: rgb(61, 204,  
230) }
```

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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