

Converting Colors

XYZ(34.9265, 48.2781, 78.1329)

Have a look what the booklet for
XYZ(34.9265, 48.2781, 78.1329)
contains.

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Color

**XYZ(34.8105, 48.0937,
77.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBE0
RGB	0, 203, 224
RGB Percent	0%, 80%, 88%
CMY	0.9998, 0.2039, 0.1216
CMYK	1.00, 0.09, 0.00, 0.12
HSL	186°, 100%, 44%
HSV	186°, 100%, 88%
XYZ	34.8105, 48.0937, 77.9693
YIQ	144.6970, -127.7290, -36.5050

Conversions

Conversions Part 2

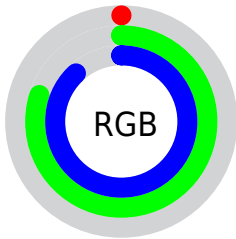
Format	Color
RYB	0, 106, 224
Decimal	52192
CIELab	74.88, -34.01, -22.23
CIELCh	75, 40.630, 213.177
Yxy	48.0937, 0.2164, 0.2990
Android (android.graphics.Color)	4278242272 (0xFF00CBE0)
YUV	144.6970, 39.0964, -126.8993
Hunter-Lab	69.3496, -31.7626, -18.1146

Details

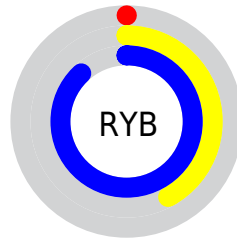
The XYZ color **34.8105, 48.0937, 77.9693** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.0104, 16.3861, 1.5301**, and the grayscale version is **26.6821, 28.0716, 30.5700**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.7513, 24.0444, 41.2416** is the 20% darker color. If you saturate the color by 10%, you get **34.8100, 48.0925, 77.9700**, and if you desaturate by 10%, it is **35.6518, 49.2697, 78.1529**.

Distribution



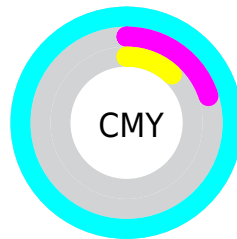
- Red (0%)
- Green (80%)
- Blue (88%)



- Red (0%)
- Yellow (42%)
- Blue (88%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8105, 48.0937, 77.9693 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 34.8105, 48.0937, 77.9693 by changing the saturation by 10% instead.

34.8105, 48.0937,
77.9693

34.8105, 48.0937,
77.9693

315.2538,
379.1634, 507.5877

23.6828, 33.9011,
57.5325

66.5281, 87.3439,
132.2923

15.2219, 22.8176,
41.0207

87.8486, 113.1703,
167.0156

9.0626, 14.4589,
28.0154

113.2974,
143.6434, 207.3381

4.8395, 8.4405,
18.0981

143.2400,
179.1476, 253.6783

2.1872, 4.3781,
10.8503

178.0415,
220.0673, 306.4549

0.7360, 1.8872,
5.8534

218.0674,

0.0000, 0.5407,

266.7869, 366.0862

2.6888

263.6831,
319.6908, 432.9910

■ 0.0000, 0.0000,
0.9378

■ 0.0000, 0.0000,
0.0000

■ 34.8105, 48.0937,
77.9693

■ 34.8105, 48.0937,
77.9693

■ 34.8100, 48.0925,
77.9700

■ 35.6518, 49.2697,
78.1529

■ 36.8929, 50.6609,
78.3560

■ 38.6624, 52.3346,
78.5858

■ 41.0329, 54.3282,
78.8456

■ 44.0658, 56.6733,
79.1385

■ 47.8144, 59.3977,
79.4667

■ 52.3271, 62.5261,
79.8327

■ 57.6475, 66.0812,
80.2385

■ 63.8163, 70.0839,
80.6860

Harmonies

Analogous

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



32.9301, 48.0937, 54.6559



34.8105, 48.0937, 77.9693



39.5892, 48.0937, 97.7777

Triad

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



34.8105, 48.0937, 77.9693



59.6156, 48.0937, 72.9812



44.9279, 48.0937, 21.3151

Complementary

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



34.8105, 48.0937, 77.9693



31.0104, 16.3861, 1.5301

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.



52.4347, 48.0937, 23.7771



34.8105, 48.0937, 77.9693



61.4345, 48.0937, 50.1407

Square

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



34.8105, 48.0937, 77.9693



53.9451, 48.0937, 94.3944



58.6796, 48.0937, 33.0882



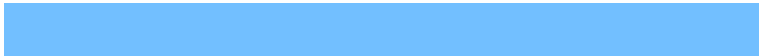
38.3617, 48.0937, 25.1358

Rectangle

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



34.8105, 48.0937, 77.9693



44.0426, 48.0937, 104.1185



58.6796, 48.0937, 33.0882



47.4223, 48.0937, 21.4394

Sweetspot

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



34.8120, 48.0954, 77.9705



70.0392, 83.7726, 107.0860



26.7719, 53.3584, 9.4918



14.4157, 17.5360, 22.8749



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.



34.8120, 48.0954, 77.9705



46.6509, 64.4218, 104.5836



17.4022, 13.2757, 72.1672



14.0010, 15.3410, 17.6109



20.3075, 28.0845, 45.3989



1.4401, 2.0116, 3.1576

Inverse Universe

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



41.5213, 20.1607, 58.2046



55.6764, 27.0346, 77.9512



38.8162, 31.9976, 4.1320



14.2367, 13.9123, 17.0167



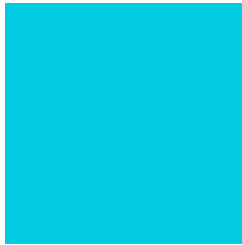
24.1905, 11.7432, 33.9984



1.6931, 0.8205, 2.4429

Previews

White Background



This preview shows how the XYZ color 34.8105, 48.0937, 77.9693 looks on a white background.

Color Contrast Check

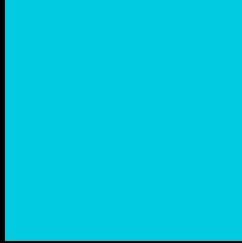
Large Text (above 18pt) WCAG AA × Fail

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 34.8105, 48.0937, 77.9693 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

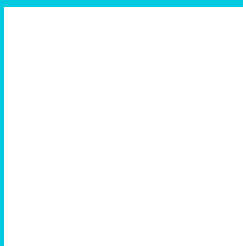
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8105, 48.0937, 77.9693

Background



This preview shows how black text looks on a background with the XYZ color 34.8105, 48.0937, 77.9693.



This preview shows how white text looks on a background with the XYZ color 34.8105, 48.0937,

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

34.8105, 48.0937, 77.9693

Protanopia

46.5168, 47.1659, 67.6250

Deuteranopia

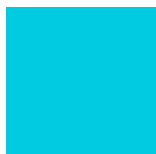
48.3944, 47.2445, 80.6972



Tritanopia

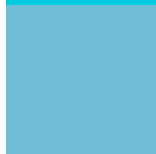
34.2742, 47.8792, 75.1453

Trichromacy



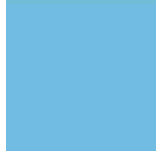
Original Color

34.8105, 48.0937, 77.9693



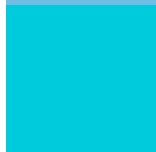
Protanomaly

37.2734, 44.8122, 70.9751



Deuteranomaly

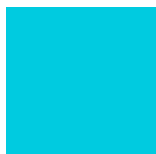
38.6584, 45.0232, 79.3259



Tritanomaly

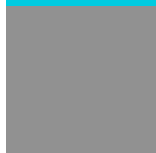
34.4071, 47.9323, 75.8450

Monochromacy



Original Color

34.8105, 48.0937, 77.9693



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.6898, 32.6037, 44.9836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8105, 48.0937, 77.9693 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, 203, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 224)  
}
```

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, 203, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 224) }
```

Border

The CSS property to change the border of an element to XYZ 34.8105, 48.0937, 77.9693 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, 203, 224) }
```


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

```
.border{ border-color:rgb(0, 203, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 203, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8105, 48.0937, 77.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 224) }
```

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

```
.background{ background-color: rgb(0, 203,  
224) }
```

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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