

Converting Colors

XYZ(17.9632, 35.4856, 84.8503)

Have a look what the booklet for
XYZ(17.9632, 35.4856, 84.8503)
contains.

XYZ(33.8450, 43.6974, 85.2479)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8450, 43.6974,
85.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0EB
RGB	0, 192, 235
RGB Percent	0%, 75%, 92%
CMY	0.9998, 0.2470, 0.0784
CMYK	1.00, 0.18, 0.00, 0.08
HSL	191°, 100%, 46%
HSV	191°, 100%, 92%
XYZ	33.8450, 43.6974, 85.2479
YIQ	139.4940, -128.2350, -27.3310

Conversions

Conversions Part 2

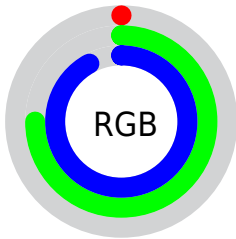
Format	Color
RYB	0, 106, 235
Decimal	49387
CIELab	72.03, -25.03, -32.57
CIELCh	72, 41.070, 232.458
Yxy	43.6974, 0.2079, 0.2684
Android (android.graphics.Color)	4278239467 (0xFF00C0EB)
YUV	139.4940, 47.0845, -122.3362
Hunter-Lab	66.1040, -24.2907, -30.1877

Details

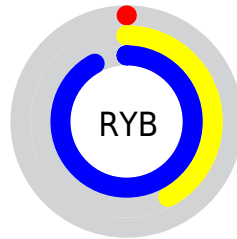
The XYZ color **33.8450, 43.6974, 85.2479** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **35.1277, 19.3946, 1.8939**, and the grayscale version is **24.5980, 25.8790, 28.1823**.

A 20% lighter version of the original color is **58.3561, 78.2864, 106.6428**, and **17.2252, 21.4316, 45.8767** is the 20% darker color. If you saturate the color by 10%, you get **33.8433, 43.6936, 85.2481**, and if you desaturate by 10%, it is **35.1703, 45.8039, 85.5855**.

Distribution



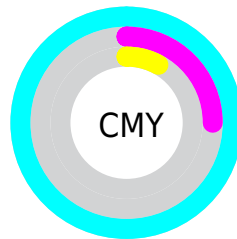
- Red (0%)
- Green (75%)
- Blue (92%)



- Red (0%)
- Yellow (42%)
- Blue (92%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8450, 43.6974, 85.2479 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 33.8450, 43.6974, 85.2479 by changing the saturation by 10% instead.

33.8450, 43.6974,
85.2479

33.8450, 43.6974,
85.2479

311.0385,
361.4720, 532.6140

22.9369, 30.4327,
63.4949

65.0385, 80.7622,
142.5967

14.6673, 20.1672,
45.7981

86.0545, 105.3311,
179.0296

8.6710, 12.5167,
31.7390

111.1705,
134.4368, 221.1929

4.5826, 7.0966,
20.8991

140.7520,
168.4638, 269.5051

2.0367, 3.5226,
12.8597

175.1641,
207.7964, 324.3848

0.6545, 1.4103,
7.2024

214.7723,

0.0000, 0.2243,

252.8191, 386.2504

3.5087

259.9420,
303.9161, 455.5207

■ 0.0000, 0.0000,
1.3599

■ 0.0000, 0.0000,
0.1101

■ 33.8450, 43.6974,
85.2479

■ 33.8450, 43.6974,
85.2479

■ 33.8433, 43.6936,
85.2481

■ 35.1703, 45.8039,
85.5855

■ 36.9652, 48.1931,
85.9521

■ 39.3708, 50.9387,
86.3552

■ 42.4691, 54.0834,
86.7989

■ 46.3295, 57.6633,
87.2865

■ 51.0124, 61.7099,
87.8207

■ 56.5720, 66.2514,
88.4043

■ 63.0580, 71.3137,
89.0396

■ 70.5161, 76.9207,
89.7287

Harmonies

Analogous

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



30.2741, 43.6974, 63.9127



33.8450, 43.6974, 85.2479



39.7880, 43.6974, 97.0623

Triad

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



33.8450, 43.6974, 85.2479



56.3896, 43.6974, 52.8307



36.5909, 43.6974, 20.0655

Complementary

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



33.8450, 43.6974, 85.2479



35.1277, 19.3946, 1.8939

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.



43.3284, 43.6974, 18.6410



33.8450, 43.6974, 85.2479



55.2857, 43.6974, 34.2961

Square

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



33.8450, 43.6974, 85.2479



53.1713, 43.6974, 75.2096



50.3052, 43.6974, 23.0535



31.7305, 43.6974, 27.7104

Rectangle

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



33.8450, 43.6974, 85.2479



44.5112, 43.6974, 96.1396



50.3052, 43.6974, 23.0535



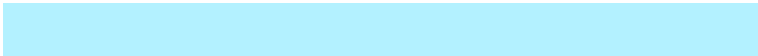
38.6909, 43.6974, 18.9508

Sweetspot

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



33.8465, 43.6989, 85.2490



67.9800, 79.6542, 106.3996



30.0793, 59.5657, 11.8504



13.9171, 16.5386, 22.7087



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.



33.8465, 43.6989, 85.2490



40.6864, 52.4927, 102.5955



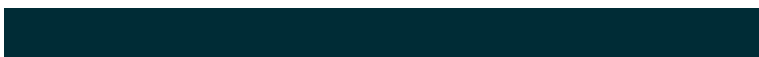
17.7474, 11.5008, 79.8826



15.2697, 16.6257, 19.3265



18.9221, 24.4911, 47.4729



1.5467, 2.0449, 3.7481

Inverse Universe

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



43.7767, 21.4696, 51.7073



52.6658, 25.8303, 62.0974



46.2659, 41.6710, 5.6066



15.5897, 15.2637, 18.3904



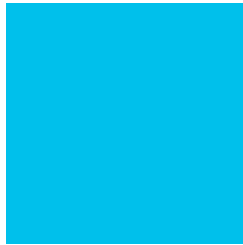
24.4063, 11.9652, 29.0045



1.9472, 0.9518, 2.4393

Previews

White Background



This preview shows how the XYZ color 33.8450, 43.6974, 85.2479 looks on a white background.

Color Contrast Check

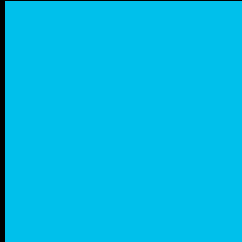
Large Text (above 18pt) WCAG AA × Fail

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 33.8450, 43.6974, 85.2479 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 33.8450, 43.6974, 85.2479

Background



This preview shows how black text looks on a background with the XYZ color 33.8450, 43.6974, 85.2479.

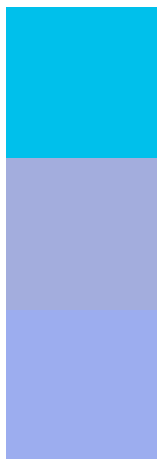


This preview shows how white text looks on a background with the XYZ color 33.8450, 43.6974,

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

33.8450, 43.6974, 85.2479

Protanopia

43.0990, 42.8941, 74.4144

Deuteranopia

44.2339, 43.1871, 87.6659



Tritanopia

31.1480, 43.6834, 67.7628

Trichromacy



Original Color

33.8450, 43.6974, 85.2479



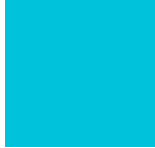
Protanomaly

35.7576, 41.0766, 77.9954



Deuteranomaly

36.8995, 41.4682, 86.9483



Tritanomaly

32.0780, 43.6980, 73.7617

Monochromacy



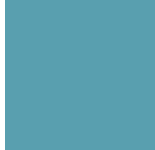
Original Color

33.8450, 43.6974, 85.2479



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.2558, 30.0153, 45.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8450, 43.6974, 85.2479 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, 192, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 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, 192, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 235) }
```

Border

The CSS property to change the border of an element to XYZ 33.8450, 43.6974, 85.2479 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, 192, 235) }
```


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

```
.border{ border-color:rgb(0, 192, 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, 192, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8450, 43.6974, 85.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 235) }
```

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

```
.background{ background-color: rgb(0, 192,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor