

Converting Colors

XYZ(43.6237, 64.7998, 83.7445)

Have a look what the booklet for
XYZ(43.6237, 64.7998, 83.7445)
contains.

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Color

**XYZ(43.7119, 65.0181,
83.6447)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBE4
RGB	0, 235, 228
RGB Percent	0%, 92%, 89%
CMY	0.9998, 0.0784, 0.1059
CMYK	1.00, 0.00, 0.03, 0.08
HSL	178°, 100%, 46%
HSV	178°, 100%, 92%
XYZ	43.7119, 65.0181, 83.6447
YIQ	163.9370, -137.8130, -51.9970

Conversions

Conversions Part 2

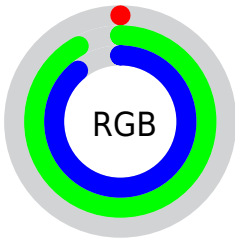
Format	Color
RYB	0, 119, 235
Decimal	60388
CIELab	84.49, -47.22, -9.91
CIELCh	84, 48.244, 191.850
Yxy	65.0181, 0.2272, 0.3380
Android (android.graphics.Color)	4278250468 (0xFF00EBE4)
YUV	163.9370, 31.5831, -143.7727
Hunter-Lab	80.6338, -44.3436, -5.0603

Details

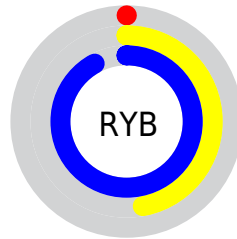
The XYZ color **43.7119, 65.0181, 83.6447** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.3014, 17.6794, 1.8073**, and the grayscale version is **35.1669, 36.9983, 40.2912**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.4632, 34.8579, 45.0268** is the 20% darker color. If you saturate the color by 10%, you get **43.7129, 65.0201, 83.6450**, and if you desaturate by 10%, it is **44.1768, 65.2479, 84.1765**.

Distribution



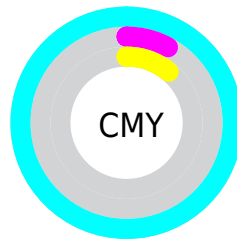
- Red (0%)
- Green (92%)
- Blue (89%)



- Red (0%)
- Yellow (47%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7119, 65.0181, 83.6447 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 43.7119, 65.0181, 83.6447 by changing the saturation by 10% instead.

43.7119, 65.0181,
83.6447

43.7119, 65.0181,
83.6447

352.4034,
442.8570, 527.1598

30.6410, 47.4758,
62.1784

80.0331, 112.0759,
140.3353

20.4761, 33.4119,
44.7402

104.0141,
142.3601, 176.3968

12.8519, 22.4422,
30.9114

132.3625,
177.6604, 218.1605

7.4029, 14.1822,
20.2735

165.4437,
218.3612, 266.0448

3.7639, 8.2475,
12.4079

203.6231,
264.8469, 320.4683

1.5694, 4.2537,
6.8962

247.2659,

0.3724, 1.8165,

317.5018, 381.8497

3.3198

296.7376,
376.7104, 450.6073

■ 0.0000, 0.4974,
1.2602

■ 0.0000, 0.0000,
0.0288

■ 43.7119, 65.0181,
83.6447

■ 43.7119, 65.0181,
83.6447

■ 43.7129, 65.0201,
83.6450

■ 44.1768, 65.2479,
84.1765

■ 45.0834, 65.7040,
84.7296

■ 46.5729, 66.4605,
85.3121

■ 48.7273, 67.5598,
85.9277

■ 51.6157, 69.0373,
86.5797

■ 55.2982, 70.9243,
87.2710

■ 59.8290, 73.2485,
88.0040

■ 65.2574, 76.0353,
88.7811

■ 71.6290, 79.3084,
89.6045

Harmonies

Analogous

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



44.1799, 65.0181, 53.9238



43.7119, 65.0181, 83.6447



47.6574, 65.0181, 118.0317

Triad

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



43.7119, 65.0181, 83.6447



76.6232, 65.0181, 124.6123



68.4557, 65.0181, 28.1568

Complementary

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



43.7119, 65.0181, 83.6447



34.3014, 17.6794, 1.8073

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.



78.4903, 65.0181, 38.2148



43.7119, 65.0181, 83.6447



83.5689, 65.0181, 90.8592

Square

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



43.7119, 65.0181, 83.6447



66.1356, 65.0181, 145.8742



84.2893, 65.0181, 59.3313



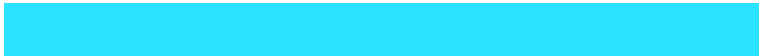
57.6538, 65.0181, 27.2568

Rectangle

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



43.7119, 65.0181, 83.6447



52.5590, 65.0181, 136.7837



84.2893, 65.0181, 59.3313



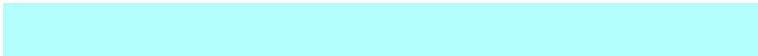
72.0603, 65.0181, 30.4059

Sweetspot

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



43.7138, 65.0205, 83.6463



71.9201, 88.1183, 105.9129



29.8084, 59.4697, 9.9094



14.8735, 18.5940, 22.5885



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.



43.7138, 65.0205, 83.6463



52.6104, 78.2602, 100.6530



22.3761, 20.7577, 81.4272



15.4972, 17.1137, 19.3008



24.3364, 36.1890, 46.5978



1.9171, 2.8442, 3.6913

Inverse Universe

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



34.3014, 17.6794, 1.8073



41.2816, 21.2767, 2.1492



39.8058, 28.7498, 3.4529



15.0837, 15.0613, 15.7259



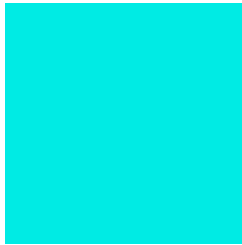
19.0973, 9.8416, 1.0480



1.5060, 0.7754, 0.1161

Previews

White Background



This preview shows how the XYZ color 43.7119, 65.0181, 83.6447 looks on a white background.

Color Contrast Check

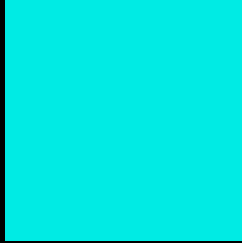
Large Text (above 18pt) WCAG AA × Fail

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 43.7119, 65.0181, 83.6447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

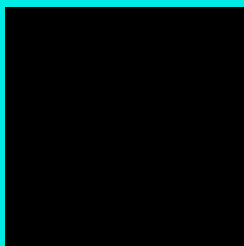
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

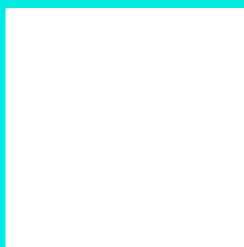
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7119, 65.0181, 83.6447

Background



This preview shows how black text looks on a background with the XYZ color 43.7119, 65.0181, 83.6447.

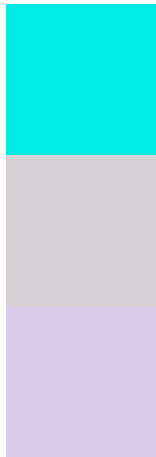


This preview shows how white text looks on a background with the XYZ color 43.7119, 65.0181,

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

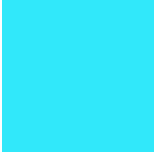
43.7119, 65.0181, 83.6447

Protanopia

61.5909, 63.8623, 71.3678

Deuteranopia

65.2035, 63.9356, 87.5015



Tritanopia

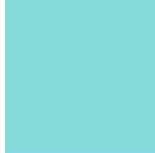
47.3786, 65.2683, 100.5434

Trichromacy



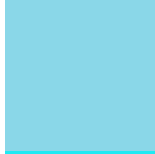
Original Color

43.7119, 65.0181, 83.6447



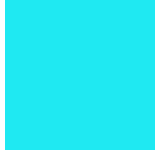
Protanomaly

47.7180, 60.3557, 75.4645



Deuteranomaly

49.3472, 59.8303, 85.2915



Tritanomaly

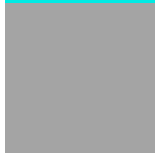
45.7310, 64.9799, 94.1365

Monochromacy



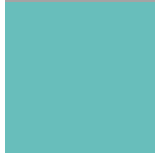
Original Color

43.7119, 65.0181, 83.6447



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.0920, 43.3578, 53.6385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7119, 65.0181, 83.6447 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, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 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, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 228) }
```

Border

The CSS property to change the border of an element to XYZ 43.7119, 65.0181, 83.6447 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, 235, 228) }
```


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

```
.border{ border-color:rgb(0, 235, 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, 235, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7119, 65.0181, 83.6447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 228) }
```

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

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