

Converting Colors

XYZ(43.8337, 64.1601, 87.0809)

Have a look what the booklet for
XYZ(43.8337, 64.1601, 87.0809)
contains.

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Color

**XYZ(43.8469, 64.1610,
87.1641)**

Conversions

Conversions Part 1

Format	Color
Hex	00E9E9
RGB	0, 233, 233
RGB Percent	0%, 91%, 91%
CMY	0.9997, 0.0863, 0.0863
CMYK	1.00, 0.00, 0.00, 0.09
HSL	180°, 100%, 46%
HSV	180°, 100%, 91%
XYZ	43.8469, 64.1610, 87.1641
YIQ	163.3330, -138.8680, -49.3960

Conversions

Conversions Part 2

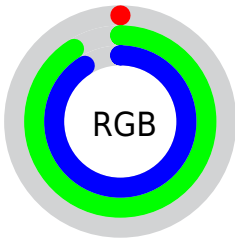
Format	Color
RYB	0, 117, 233
Decimal	59881
CIELab	84.05, -44.91, -13.21
CIELCh	84, 46.809, 196.386
Yxy	64.1610, 0.2247, 0.3287
Android (android.graphics.Color)	4278249961 (0xFF00E9E9)
YUV	163.3330, 34.3458, -143.2430
Hunter-Lab	80.1006, -42.4654, -8.4480

Details

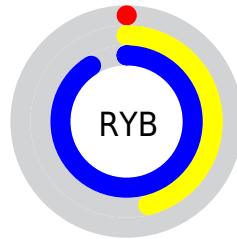
The XYZ color **43.8469, 64.1610, 87.1641** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.6064, 17.3257, 1.5748**, and the grayscale version is **34.8696, 36.6856, 39.9506**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.4611, 34.2250, 46.9645** is the 20% darker color. If you saturate the color by 10%, you get **43.8480, 64.1630, 87.1656**, and if you desaturate by 10%, it is **44.2098, 64.3495, 87.1827**.

Distribution



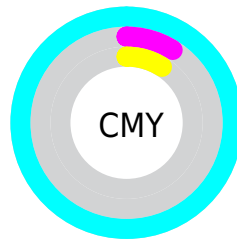
- Red (0%)
- Green (91%)
- Blue (91%)



- Red (0%)
- Yellow (46%)
- Blue (91%)



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





- Cyan (100%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8469, 64.1610, 87.1641 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 43.8469, 64.1610, 87.1641 by changing the saturation by 10% instead.

 43.8469, 64.1610,
87.1641


 43.8469, 64.1610,
87.1641


352.9459,
439.7708, 539.0922


 30.7476, 46.7811,
65.0706


 80.2351, 110.8428,
145.2937


 20.5576, 32.8626,
47.0666

 104.2547,
140.9134, 182.1670


 12.9116, 22.0212,
32.7336


 132.6450,
175.9831, 224.8039

 7.4443, 13.8725,
21.6530

 165.7715,
216.4362, 273.6229

 3.7903, 8.0320,
13.4063

 203.9995,
262.6571, 329.0428

 1.5842, 4.1155,
7.5749

247.6943,

 0.3821, 1.7384,

315.0303, 391.4819

3.7403

297.2213,
373.9400, 461.3588

■ 0.0000, 0.4483,
1.4840

■ 0.0000, 0.0000,
0.2060

■ 43.8469, 64.1610,
87.1641

■ 43.8469, 64.1610,
87.1641

■ 43.8480, 64.1630,
87.1656

■ 44.2098, 64.3495,
87.1827

■ 45.0050, 64.7594,
87.2200

■ 46.3714, 65.4638,
87.2841

■ 48.3893, 66.5040,
87.3787

■ 51.1261, 67.9149,
87.5069

■ 54.6409, 69.7269,
87.6715

■ 58.9866, 71.9672,
87.8750

■ 64.2116, 74.6607,
88.1196

■ 70.3604, 77.8306,
88.4075

Harmonies

Analogous

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



43.6476, 64.1610, 57.3112



43.8469, 64.1610, 87.1641



48.2853, 64.1610, 119.6549

Triad

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



43.8469, 64.1610, 87.1641



76.5198, 64.1610, 116.8909



65.7775, 64.1610, 27.8829

Complementary

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



43.8469, 64.1610, 87.1641



33.6064, 17.3257, 1.5748

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.



75.7321, 64.1610, 36.2449



43.8469, 64.1610, 87.1641



82.3906, 64.1610, 84.1196

Square

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



43.8469, 64.1610, 87.1641



66.7585, 64.1610, 139.8585



82.0871, 64.1610, 55.0132



55.5508, 64.1610, 28.2707

Rectangle

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



43.8469, 64.1610, 87.1641



53.3695, 64.1610, 135.9997



82.0871, 64.1610, 55.0132



69.2884, 64.1610, 29.6335

Sweetspot

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



43.8488, 64.1634, 87.1656



72.2850, 88.2642, 107.8341



29.1896, 58.3053, 9.7175



14.9625, 18.6295, 23.0571



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.



43.8488, 64.1634, 87.1656



53.8097, 78.7399, 106.9684



21.4759, 19.4171, 79.7092



15.5177, 17.1219, 19.4092



24.8795, 36.4063, 49.4581



1.9536, 2.8588, 3.8837

Inverse Universe

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



33.6064, 17.3257, 1.5748



41.2400, 21.2600, 1.9301



39.4720, 29.0570, 3.5300



15.0655, 15.0541, 15.6304



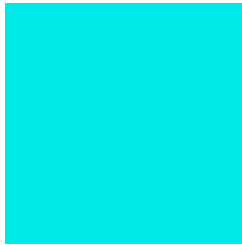
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 43.8469, 64.1610, 87.1641 looks on a white background.

Color Contrast Check

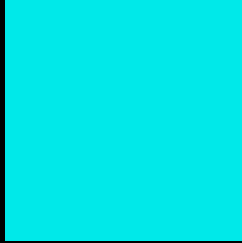
Large Text (above 18pt) WCAG AA × Fail

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 43.8469, 64.1610, 87.1641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

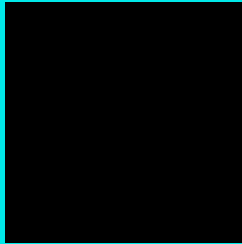
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.8469, 64.1610, 87.1641

Background



This preview shows how black text looks on a background with the XYZ color 43.8469, 64.1610, 87.1641.

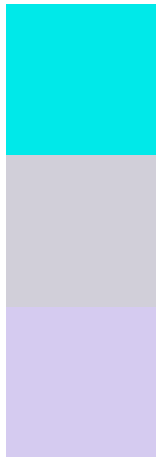


This preview shows how white text looks on a background with the XYZ color 43.8469, 64.1610, 87.1641.

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

43.8469, 64.1610, 87.1641

Protanopia

61.1317, 63.1907, 74.6207

Deuteranopia

64.5247, 63.1493, 91.2263



Tritanopia

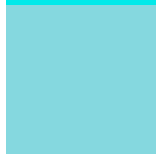
46.6296, 64.4836, 99.6115

Trichromacy



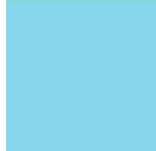
Original Color

43.8469, 64.1610, 87.1641



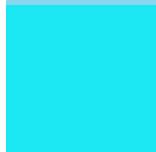
Protanomaly

47.5480, 59.4260, 78.7764



Deuteranomaly

49.4860, 59.4418, 88.9860



Tritanomaly

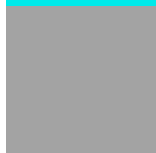
45.4863, 64.4173, 94.8304

Monochromacy



Original Color

43.8469, 64.1610, 87.1641



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.7692, 42.5403, 54.0609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8469, 64.1610, 87.1641 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, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 43.8469, 64.1610, 87.1641 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, 233, 233) }
```


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

```
.border{ border-color:rgb(0, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8469, 64.1610, 87.1641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 233) }
```

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

```
.background{ background-color: rgb(0, 233,  
233) }
```

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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