

Converting Colors

XYZ(45.3741, 67.8658, 85.6679)

Have a look what the booklet for
XYZ(45.3741, 67.8658, 85.6679)
contains.

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Color

**XYZ(45.4430, 68.0333,
85.5996)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0E6
RGB	0, 240, 230
RGB Percent	0%, 94%, 90%
CMY	0.9998, 0.0588, 0.0980
CMYK	1.00, 0.00, 0.04, 0.06
HSL	177°, 100%, 47%
HSV	177°, 100%, 94%
XYZ	45.4430, 68.0333, 85.5996
YIQ	167.1000, -139.8300, -53.9900

Conversions

Conversions Part 2

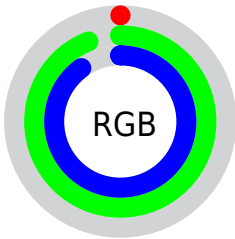
Format	Color
RYB	0, 123, 240
Decimal	61670
CIELab	86.02, -48.78, -8.68
CIELCh	86, 49.549, 190.095
Yxy	68.0333, 0.2283, 0.3417
Android (android.graphics.Color)	4278251750 (0xFF00F0E6)
YUV	167.1000, 31.0097, -146.5467
Hunter-Lab	82.4823, -46.0008, -3.7932

Details

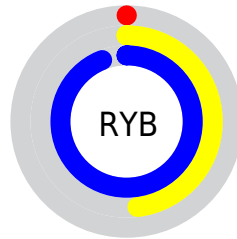
The XYZ color **45.4430, 68.0333, 85.5996** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **35.9921, 18.5492, 1.9723**, and the grayscale version is **36.6913, 38.6022, 42.0377**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.6713, 36.9621, 46.3915** is the 20% darker color. If you saturate the color by 10%, you get **45.4439, 68.0353, 85.5993**, and if you desaturate by 10%, it is **45.9633, 68.2868, 86.3611**.

Distribution



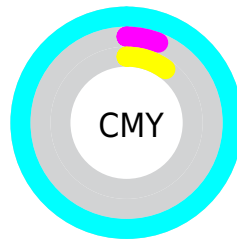
- Red (0%)
- Green (94%)
- Blue (90%)



- Red (0%)
- Yellow (48%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4430, 68.0333, 85.5996 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 45.4430, 68.0333, 85.5996 by changing the saturation by 10% instead.


 45.4430, 68.0333,
85.5996

 45.4430, 68.0333,
85.5996


359.3184,
453.6140, 533.8063


 32.0093, 49.9248,
63.7839


 82.6178, 116.3998,
143.0922

 21.5242, 35.3537,
46.0306


 107.0895,
147.4266, 179.6062


 13.6223, 23.9354,
31.9212


 135.9713,
183.5283, 221.8567

 7.9384, 15.2857,
21.0370

 169.6285,
225.0893, 270.2624

 4.1070, 9.0202,
12.9595

 208.4264,
272.4939, 325.2416

 1.7629, 4.7543,
7.2703

252.7305,

 0.4951, 2.1039,

326.1267, 387.2129

3.5507

302.9060,
386.3719, 456.5950

■ 0.0000, 0.6668,
1.3822

■ 0.0000, 0.0000,
0.1278

■ 45.4430, 68.0333,
85.5996

■ 45.4430, 68.0333,
85.5996

■ 45.4439, 68.0353,
85.5993

■ 45.9633, 68.2868,
86.3611

■ 46.9488, 68.7784,
87.1470

■ 48.5466, 69.5856,
87.9657

■ 50.8433, 70.7531,
88.8215

■ 53.9114, 72.3181,
89.7175

■ 57.8146, 74.3135,
90.6569

■ 62.6097, 76.7686,
91.6423

■ 68.3487, 79.7103,
92.6761

■ 75.0796, 83.1631,
93.7606

Harmonies

Analogous

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



46.2120, 68.0333, 54.7425



45.4430, 68.0333, 85.5996



49.3426, 68.0333, 122.1509

Triad

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



45.4430, 68.0333, 85.5996



79.7876, 68.0333, 133.0241



72.3946, 68.0333, 29.4303

Complementary

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



45.4430, 68.0333, 85.5996



35.9921, 18.5492, 1.9723

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.



82.8671, 68.0333, 40.6314



45.4430, 68.0333, 85.5996



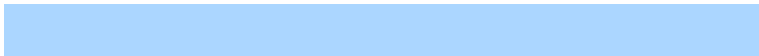
87.4699, 68.0333, 97.4989

Square

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



45.4430, 68.0333, 85.5996



68.5710, 68.0333, 154.3787



88.6586, 68.0333, 63.6373



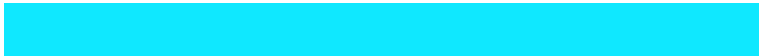
60.9076, 68.0333, 27.9581

Rectangle

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



45.4430, 68.0333, 85.5996



54.3667, 68.0333, 142.6699



88.6586, 68.0333, 63.6373



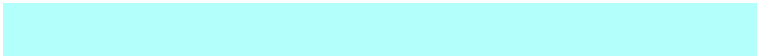
76.1849, 68.0333, 31.9842

Sweetspot

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



45.4450, 68.0358, 85.6012



71.7758, 88.0605, 105.1531



31.3139, 62.4009, 10.3959



14.8384, 18.5799, 22.4033



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.



45.4450, 68.0358, 85.6012



52.1455, 78.0742, 98.2048



23.9847, 22.8023, 85.5779



16.2172, 17.9169, 20.1669



24.8887, 37.2475, 46.9245



2.0793, 3.1022, 3.9499

Inverse Universe

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



35.9921, 18.5492, 1.9723



41.2983, 21.2833, 2.2369



41.3029, 29.2585, 3.4723



15.7995, 15.7695, 16.5004



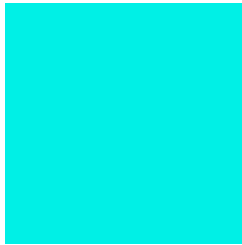
19.7134, 10.1578, 1.1414



1.6493, 0.8488, 0.1441

Previews

White Background



This preview shows how the XYZ color 45.4430, 68.0333, 85.5996 looks on a white background.

Color Contrast Check

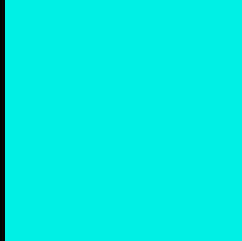
Large Text (above 18pt) WCAG AA × Fail

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 45.4430, 68.0333, 85.5996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

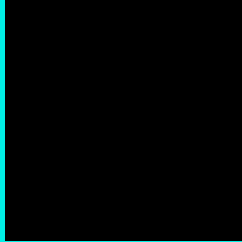
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

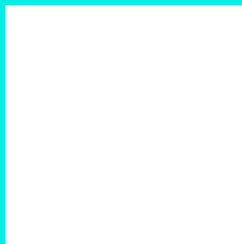
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4430, 68.0333, 85.5996

Background



This preview shows how black text looks on a background with the XYZ color 45.4430, 68.0333, 85.5996.

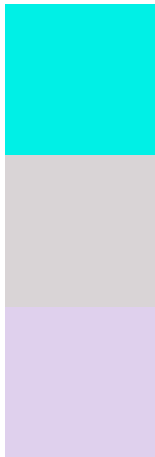


This preview shows how white text looks on a background with the XYZ color 45.4430, 68.0333,

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

45.4430, 68.0333, 85.5996

Protanopia

64.2964, 66.6937, 73.1027

Deuteranopia

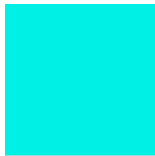
68.2734, 66.9142, 89.4381



Tritanopia

49.7328, 68.0808, 105.1275

Trichromacy



Original Color

45.4430, 68.0333, 85.5996



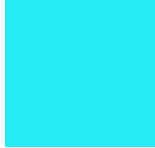
Protanomaly

49.5208, 62.8131, 77.2243



Deuteranomaly

51.5998, 62.8777, 87.2589



Tritanomaly

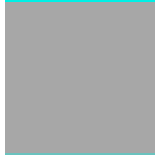
47.6463, 67.5973, 97.7251

Monochromacy



Original Color

45.4430, 68.0333, 85.5996



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.5299, 45.3654, 55.6517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4430, 68.0333, 85.5996 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, 240, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 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(0, 240, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 230) }
```

Border

The CSS property to change the border of an element to XYZ 45.4430, 68.0333, 85.5996 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, 240, 230) }
```


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

```
.border{ border-color:rgb(0, 240, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4430, 68.0333, 85.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 230) }
```

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

```
.background{ background-color: rgb(0, 240,  
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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