

Converting Colors

XYZ(46.3227, 74.6783, 70.7029)

Have a look what the booklet for
XYZ(46.3227, 74.6783, 70.7029)
contains.

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Color

**XYZ(46.4128, 74.7685,
71.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	02FDCE
RGB	2, 253, 207
RGB Percent	1%, 99%, 81%
CMY	0.9920, 0.0078, 0.1882
CMYK	0.99, 0.00, 0.18, 0.01
HSL	169°, 98%, 50%
HSV	169°, 99%, 99%
XYZ	46.4128, 74.7685, 71.0170
YIQ	172.7070, -134.8300, -67.5180

Conversions

Conversions Part 2

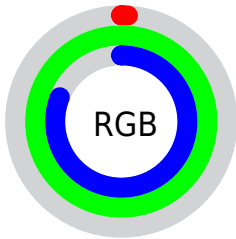
Format	Color
R_{YB}	2, 140, 253
Decimal	196047
CIE _{Lab}	89.28, -60.08, 8.08
CIE _{LCh}	89, 60.619, 172.341
Yxy	74.7685, 0.2415, 0.3890
Android (android.graphics.Color)	4278386127 (0xFF02FDCF)
YUV	172.7070, 16.9064, -149.7100
Hunter-Lab	86.4688, -55.5091, 11.8331

Details

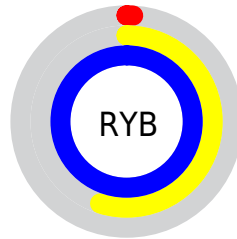
The XYZ color **46.4128, 74.7685, 71.0170** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.0662, 21.1416, 4.7178**, and the grayscale version is **39.5451, 41.6045, 45.3073**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.2649, 41.3301, 36.7829** is the 20% darker color. If you saturate the color by 10%, you get **46.3435, 74.7399, 70.7763**, and if you desaturate by 10%, it is **47.4260, 75.2262, 74.0698**.

Distribution



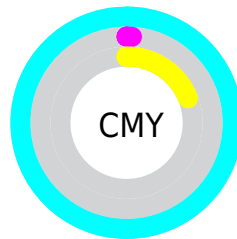
- Red (1%)
- Green (99%)
- Blue (81%)



- Red (1%)
- Yellow (55%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)




- Cyan (99%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4128, 74.7685, 71.0170 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 46.4128, 74.7685, 71.0170 by changing the saturation by 10% instead.


 46.4128, 74.7685,
71.0170

 46.4128, 74.7685,
71.0170


363.1539,
477.1215, 482.9981


 32.7777, 55.4233,
51.8742


 84.0605, 125.9846,
122.3526


 22.1146, 39.7407,
36.5232


 108.8039,
158.6243, 155.3825


 14.0582, 27.3364,
24.5457


 137.9807,
196.4642, 193.8784

 8.2431, 17.8261,
15.5230

 171.9563,
239.8888, 238.2589

 4.3040, 10.8252,
9.0365

 211.0961,
289.2824, 288.9426

 1.8755, 5.9494,
4.6679

255.7654,

 0.5626, 2.8143,

345.0294, 346.3480

1.9984

306.3295,
407.5144, 410.8937

■ 0.0000, 1.0356,
0.5543

■ 0.0000, 0.0000,
0.0000

■ 46.4128, 74.7685,
71.0170

■ 46.4128, 74.7685,
71.0170

■ 46.3435, 74.7399,
70.7763

■ 47.4260, 75.2262,
74.0698

■ 49.0068, 75.9727,
77.2352

■ 51.3040, 77.0865,
80.5225

■ 54.4147, 78.6178,
83.9370

■ 58.4210, 80.6088,
87.4832

■ 63.3947, 83.0965,
91.1652

■ 69.4003, 86.1141,
94.9866

■ 76.4966, 89.6920,
98.9510

■ 84.7380, 93.8581,
103.0614

Harmonies

Analogous

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



50.8203, 74.7685, 41.0560



46.4128, 74.7685, 71.0170



47.8452, 74.7685, 116.5142

Triad

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



46.4128, 74.7685, 71.0170



82.4492, 74.7685, 182.5467



89.9227, 74.7685, 32.4084

Complementary

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



46.4128, 74.7685, 71.0170



41.0662, 21.1416, 4.7178

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.



100.7940, 74.7685, 54.1769



46.4128, 74.7685, 71.0170



96.0783, 74.7685, 142.0972

Square

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



46.4128, 74.7685, 71.0170



67.3370, 74.7685, 191.9451



103.1905, 74.7685, 92.7709



74.9286, 74.7685, 24.3797

Rectangle

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



46.4128, 74.7685, 71.0170



52.0256, 74.7685, 149.6259



103.1905, 74.7685, 92.7709



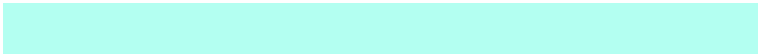
94.2614, 74.7685, 37.9062

Sweetspot

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



46.4149, 74.7714, 71.0188



70.1088, 87.3937, 96.3747



36.3593, 70.8873, 11.8250



14.4341, 18.4182, 20.2742



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.



46.4149, 74.7714, 71.0188



47.1768, 76.0867, 72.0402



32.8021, 37.1977, 98.3829



18.4036, 20.4210, 22.4283



24.7025, 39.7776, 37.9140



2.4406, 3.8872, 3.8781

Inverse Universe

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



41.0662, 21.1416, 4.7178



41.7479, 21.4632, 4.6047



43.5016, 26.8497, 2.9485



18.1453, 18.0414, 19.3825



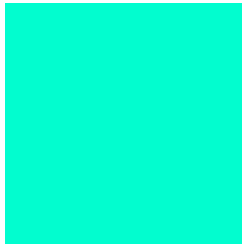
21.8530, 11.2305, 2.6105



2.1626, 1.1074, 0.4376

Previews

White Background



This preview shows how the XYZ color 46.4128, 74.7685, 71.0170 looks on a white background.

Color Contrast Check

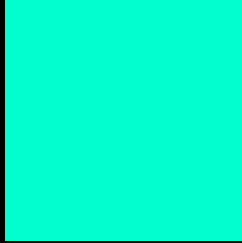
Large Text (above 18pt) WCAG AA × Fail

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 46.4128, 74.7685, 71.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

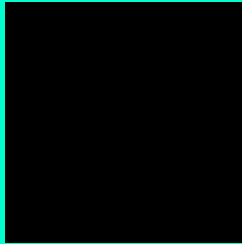
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4128, 74.7685, 71.0170

Background



This preview shows how black text looks on a background with the XYZ color 46.4128, 74.7685, 71.0170.



This preview shows how white text looks on a background with the XYZ color 46.4128, 74.7685, 71.0170.

Color Blindness Simulation

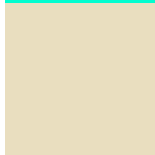
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



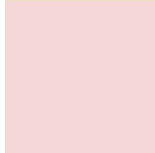
Original Color

46.4128, 74.7685, 71.0170



Protanopia

69.1295, 73.3278, 59.8004



Deuteranopia

74.5722, 73.1000, 74.4693



Tritanopia

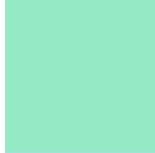
58.7258, 74.4457, 105.8820

Trichromacy



Original Color

46.4128, 74.7685, 71.0170



Protanomaly

51.6114, 68.6986, 63.3633



Deuteranomaly

53.8076, 67.9602, 72.5690



Tritanomaly

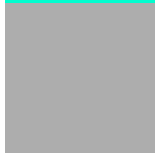
51.8313, 73.4092, 92.3265

Monochromacy



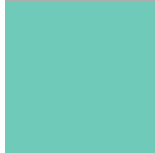
Original Color

46.4128, 74.7685, 71.0170



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.4330, 49.1233, 53.4605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4128, 74.7685, 71.0170 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(2, 253, 207)` looks like.

```
.text, #text, p{  
    color:rgb(2, 253, 207)  
}
```

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(2, 253, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 253, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.4128, 74.7685, 71.0170 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(2, 253, 207) }
```


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

```
.border{ border-color:rgb(2, 253, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 253, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 253, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 253, 207);  
box-shadow:4px 4px 4px 4px rgb(2, 253,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4128, 74.7685, 71.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 253, 207) }
```

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

```
.background{ background-color: rgb(2, 253,  
207) }
```

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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