

Converting Colors

XYZ(25.5522, 60.6770, 79.0442)

Have a look what the booklet for
XYZ(25.5522, 60.6770, 79.0442)
contains.

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Color

**XYZ(46.0069, 71.1320,
79.7116)**

Conversions

Conversions Part 1

Format	Color
Hex	00F6DD
RGB	0, 246, 221
RGB Percent	0%, 96%, 87%
CMY	0.9998, 0.0353, 0.1333
CMYK	1.00, 0.00, 0.10, 0.04
HSL	174°, 100%, 48%
HSV	174°, 100%, 96%
XYZ	46.0069, 71.1320, 79.7116
YIQ	169.5960, -138.5910, -59.9270

Conversions

Conversions Part 2

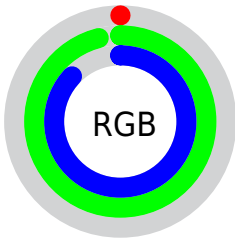
Format	Color
RYB	0, 130, 246
Decimal	63197
CIELab	87.55, -53.75, -1.72
CIELCh	88, 53.777, 181.834
Yxy	71.1320, 0.2337, 0.3614
Android (android.graphics.Color)	4278253277 (0xFF00F6DD)
YUV	169.5960, 25.3422, -148.7357
Hunter-Lab	84.3398, -50.2238, 3.0014

Details

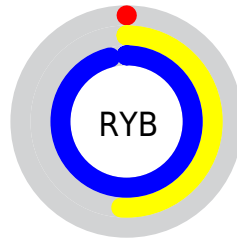
The XYZ color **46.0069, 71.1320, 79.7116** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **38.1840, 19.6651, 2.7061**, and the grayscale version is **37.9438, 39.9198, 43.4726**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **25.0805, 39.1484, 42.3109** is the 20% darker color. If you saturate the color by 10%, you get **46.0075, 71.1341, 79.7094**, and if you desaturate by 10%, it is **46.7365, 71.4710, 81.4998**.

Distribution



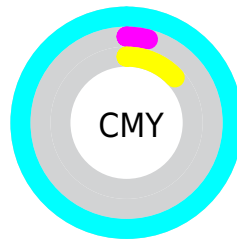
- Red (0%)
- Green (96%)
- Blue (87%)



- Red (0%)
- Yellow (51%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0069, 71.1320, 79.7116 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 46.0069, 71.1320, 79.7116 by changing the saturation by 10% instead.

 46.0069, 71.1320,
79.7116


 46.0069, 71.1320,
79.7116


361.5519,
464.5147, 513.6415


 32.4559, 52.4499,
58.9563


 83.4571, 120.8217,
134.7679

 21.8672, 37.3638,
42.1582


 108.0871,
152.5980, 169.9060


 13.8754, 25.4893,
28.8987


 137.1407,
189.5080, 210.6754

 8.1152, 16.4420,
18.7592

 170.9834,
231.9358, 257.4947

 4.2212, 9.8375,
11.3214

 209.9805,
280.2661, 310.7824

 1.8280, 5.2913,
6.1666

254.4974,

 0.5345, 2.4192,

334.8830, 370.9571

2.8762

304.8994,
396.1711, 438.4373

■ 0.0000, 0.8357,
1.0318

■ 0.0000, 0.0000,
0.0000

■ 46.0069, 71.1320,
79.7116

■ 46.0069, 71.1320,
79.7116

■ 46.0075, 71.1341,
79.7094

■ 46.7365, 71.4710,
81.4998

■ 47.9638, 72.0643,
83.3357

■ 49.8435, 72.9934,
85.2283

■ 52.4677, 74.3057,
87.1819

■ 55.9136, 76.0410,
89.2004

■ 60.2488, 78.2342,
91.2869

■ 65.5338, 80.9164,
93.4444

■ 71.8238, 84.1162,
95.6757

■ 79.1698, 87.8597,
97.9831

Harmonies

Analogous

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



48.2723, 71.1320, 48.8886



46.0069, 71.1320, 79.7116



48.8996, 71.1320, 120.5416

Triad

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



46.0069, 71.1320, 79.7116



81.3351, 71.1320, 153.4258



79.8128, 71.1320, 30.6846

Complementary

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



46.0069, 71.1320, 79.7116



38.1840, 19.6651, 2.7061

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.



90.5685, 71.1320, 46.0897



46.0069, 71.1320, 79.7116



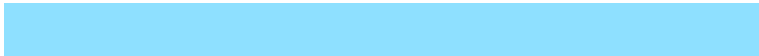
91.5220, 71.1320, 115.4074

Square

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



46.0069, 71.1320, 79.7116



68.3937, 71.1320, 170.5760



95.0936, 71.1320, 75.2329



66.8299, 71.1320, 26.4450

Rectangle

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



46.0069, 71.1320, 79.7116



53.6040, 71.1320, 146.5364



95.0936, 71.1320, 75.2329



83.8624, 71.1320, 34.4274

Sweetspot

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



46.0090, 71.1347, 79.7133



71.0580, 87.7734, 101.3734



33.4568, 66.1715, 11.0106



14.6639, 18.5101, 21.4844



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.



46.0090, 71.1347, 79.7133



49.9138, 77.1815, 86.4527



27.8191, 29.0211, 91.3272



16.9198, 18.7271, 20.8622



24.5866, 37.9795, 42.7042



2.1815, 3.3462, 3.8616

Inverse Universe

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



38.1840, 19.6651, 2.7061



41.4256, 21.3342, 2.9073



42.0402, 27.6587, 3.1245



16.5676, 16.5099, 17.4694



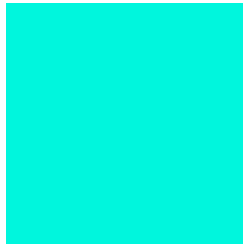
20.4031, 10.5047, 1.5649



1.8156, 0.9322, 0.2554

Previews

White Background



This preview shows how the XYZ color 46.0069, 71.1320, 79.7116 looks on a white background.

Color Contrast Check

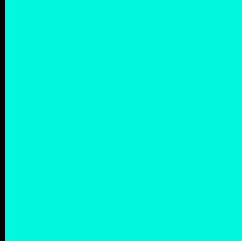
Large Text (above 18pt) WCAG AA × Fail

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 46.0069, 71.1320, 79.7116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

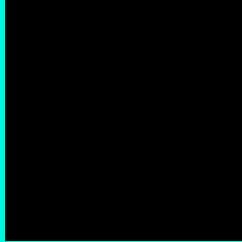
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

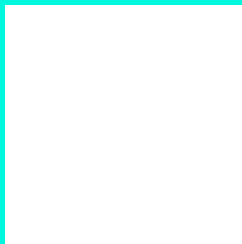
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0069, 71.1320, 79.7116

Background



This preview shows how black text looks on a background with the XYZ color 46.0069, 71.1320, 79.7116.

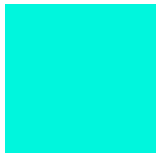


This preview shows how white text looks on a background with the XYZ color 46.0069, 71.1320,

Color Blindness Simulation

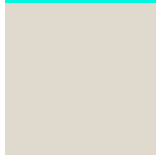
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



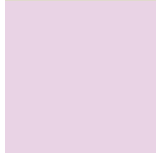
Original Color

46.0069, 71.1320, 79.7116



Protanopia

66.5728, 69.8808, 67.7372



Deuteranopia

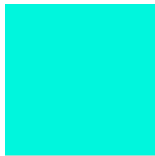
71.0414, 69.5693, 83.8127



Tritanopia

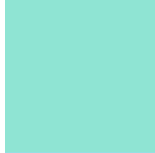
53.9914, 71.1358, 105.4927

Trichromacy



Original Color

46.0069, 71.1320, 79.7116



Protanomaly

50.8290, 66.0296, 71.6940



Deuteranomaly

52.5959, 65.0982, 81.7446



Tritanomaly

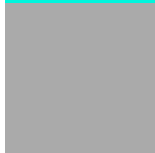
49.7473, 70.4716, 95.7745

Monochromacy



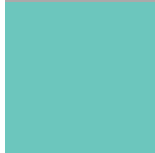
Original Color

46.0069, 71.1320, 79.7116



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.5637, 47.2504, 55.3900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0069, 71.1320, 79.7116 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, 246, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 221)  
}
```

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, 246, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 221) }
```

Border

The CSS property to change the border of an element to XYZ 46.0069, 71.1320, 79.7116 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, 246, 221) }
```


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

```
.border{ border-color:rgb(0, 246, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 246, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0069, 71.1320, 79.7116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 221) }
```

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

```
.background{ background-color: rgb(0, 246,  
221) }
```

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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