

Converting Colors

XYZ(33.5637, 64.4379, 73.2752)

Have a look what the booklet for
XYZ(33.5637, 64.4379, 73.2752)
contains.

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Color

**XYZ(44.5361, 70.0583,
73.4627)**

Conversions

Conversions Part 1

Format	Color
Hex	00F5D4
RGB	0, 245, 212
RGB Percent	0%, 96%, 83%
CMY	0.9998, 0.0392, 0.1686
CMYK	1.00, 0.00, 0.13, 0.04
HSL	172°, 100%, 48%
HSV	172°, 100%, 96%
XYZ	44.5361, 70.0583, 73.4627
YIQ	167.9830, -135.4270, -62.2030

Conversions

Conversions Part 2

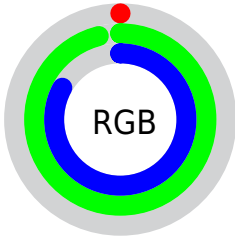
Format	Color
RYB	0, 131, 245
Decimal	62932
CIELab	87.03, -55.72, 2.22
CIELCh	87, 55.765, 177.723
Yxy	70.0583, 0.2368, 0.3725
Android (android.graphics.Color)	4278253012 (0xFF00F5D4)
YUV	167.9830, 21.7004, -147.3211
Hunter-Lab	83.7008, -51.4990, 6.5528

Details

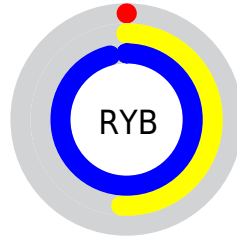
The XYZ color **44.5361, 70.0583, 73.4627** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.9333, 19.5244, 3.2120**, and the grayscale version is **37.1640, 39.0994, 42.5792**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **24.1548, 38.4351, 38.4934** is the 20% darker color. If you saturate the color by 10%, you get **44.5366, 70.0603, 73.4597**, and if you desaturate by 10%, it is **45.3482, 70.4300, 75.6984**.

Distribution



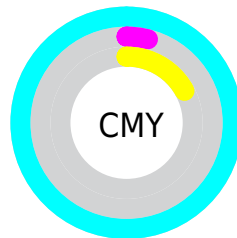
- Red (0%)
- Green (96%)
- Blue (83%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5361, 70.0583, 73.4627 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 44.5361, 70.0583, 73.4627 by changing the saturation by 10% instead.


 44.5361, 70.0583,
73.4627


 44.5361, 70.0583,
73.4627


355.7069,
460.7547, 491.7306


 31.2919, 51.5741,
53.8603


 81.2652, 119.2919,
125.8609


 20.9741, 36.6657,
38.0975


 105.4808,
150.8100, 159.4936


 13.2175, 24.9487,
25.7560

 134.0843,
187.4416, 198.6403

 7.6565, 16.0389,
16.4171

 167.4410,
229.5710, 243.7194

 3.9259, 9.5517,
9.6622

 205.9162,
277.5826, 295.1494

 1.6603, 5.1027,
5.0729

249.8754,

 0.4312, 2.3077,

331.8608, 353.3489

2.2306

299.6838,
392.7901, 418.7365

■ 0.0000, 0.7778,
0.6920

■ 0.0000, 0.0000,
0.0000

■ 44.5361, 70.0583,
73.4627

■ 44.5361, 70.0583,
73.4627

■ 44.5366, 70.0603,
73.4597

■ 45.3482, 70.4300,
75.6984

■ 46.6567, 71.0550,
78.0005

■ 48.6153, 72.0140,
80.3780

■ 51.3149, 73.3542,
82.8354

■ 54.8322, 75.1148,
85.3765

■ 59.2339, 77.3303,
88.0047

■ 64.5801, 80.0318,
90.7231

■ 70.9255, 83.2473,
93.5344

■ 78.3204, 87.0028,
96.4414

Harmonies

Analogous

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



47.5511, 70.0583, 43.9887



44.5361, 70.0583, 73.4627



46.7593, 70.0583, 114.8216

Triad

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



44.5361, 70.0583, 73.4627



78.9531, 70.0583, 159.1885



80.9028, 70.0583, 30.2358

Complementary

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



44.5361, 70.0583, 73.4627



37.9333, 19.5244, 3.2120

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.



91.3542, 70.0583, 47.5035



44.5361, 70.0583, 73.4627



90.1292, 70.0583, 121.4381

Square

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



44.5361, 70.0583, 73.4627



65.5966, 70.0583, 172.9418



94.9309, 70.0583, 79.1717



67.5899, 70.0583, 24.6591

Rectangle

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



44.5361, 70.0583, 73.4627



51.0983, 70.0583, 142.7423



94.9309, 70.0583, 79.1717



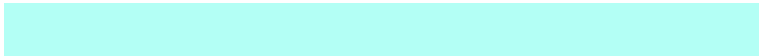
84.9295, 70.0583, 34.5160

Sweetspot

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



44.5381, 70.0610, 73.4644



70.6697, 87.6181, 99.3283



33.4094, 65.6967, 10.9214



14.5697, 18.4724, 20.9886



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.



44.5381, 70.0610, 73.4644



48.7638, 76.7215, 80.3971



28.9274, 31.4825, 90.9413



16.8950, 18.7171, 20.7315



24.0298, 37.7567, 39.7721



2.1380, 3.3289, 3.6328

Inverse Universe

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



37.9333, 19.5244, 3.2120



41.5339, 21.3776, 3.4776



40.9684, 26.0345, 2.8674



16.5900, 16.5189, 17.5876



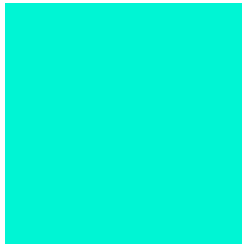
20.4625, 10.5284, 1.8779



1.8262, 0.9365, 0.3114

Previews

White Background



This preview shows how the XYZ color 44.5361, 70.0583, 73.4627 looks on a white background.

Color Contrast Check

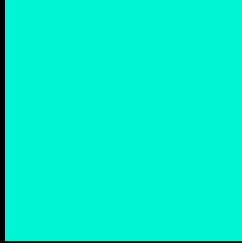
Large Text (above 18pt) WCAG AA × Fail

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 44.5361, 70.0583, 73.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

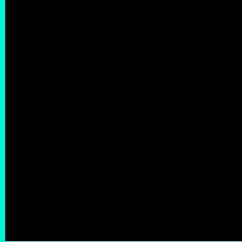
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

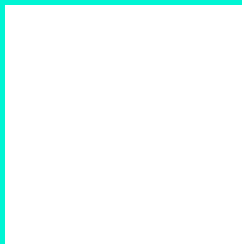
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.5361, 70.0583, 73.4627

Background



This preview shows how black text looks on a background with the XYZ color 44.5361, 70.0583, 73.4627.

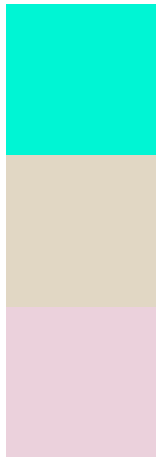


This preview shows how white text looks on a background with the XYZ color 44.5361, 70.0583,

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

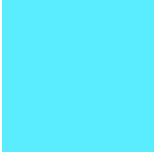
44.5361, 70.0583, 73.4627

Protanopia

65.3156, 68.5940, 62.0220

Deuteranopia

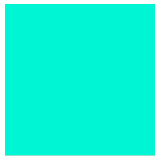
69.9797, 68.4304, 77.2302



Tritanopia

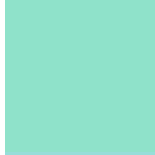
52.5506, 69.9620, 105.3421

Trichromacy



Original Color

44.5361, 70.0583, 73.4627



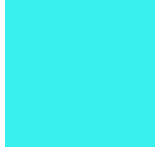
Protanomaly

49.1847, 64.4966, 65.7339



Deuteranomaly

51.2233, 63.7363, 75.2482



Tritanomaly

48.4274, 69.4220, 92.5088

Monochromacy



Original Color

44.5361, 70.0583, 73.4627



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.4551, 46.0663, 52.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5361, 70.0583, 73.4627 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, 245, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 212)  
}
```

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, 245, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 212) }
```

Border

The CSS property to change the border of an element to XYZ 44.5361, 70.0583, 73.4627 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, 245, 212) }
```


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

```
.border{ border-color:rgb(0, 245, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5361, 70.0583, 73.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 212) }
```

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

```
.background{ background-color: rgb(0, 245,  
212) }
```

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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