

# Converting Colors

XYZ(44.2707, 72.4116, 64.4827)

Have a look what the booklet for  
XYZ(44.2707, 72.4116, 64.4827)  
contains.

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# Color

**XYZ(44.2637, 72.4024,  
64.4655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FAC5
RGB	0, 250, 197
RGB Percent	0%, 98%, 77%
CMY	0.9998, 0.0196, 0.2274
CMYK	1.00, 0.00, 0.21, 0.02
HSL	167°, 100%, 49%
HSV	167°, 100%, 98%
XYZ	44.2637, 72.4024, 64.4655
YIQ	169.2080, -131.9870, -69.4830

# Conversions

## Conversions Part 2

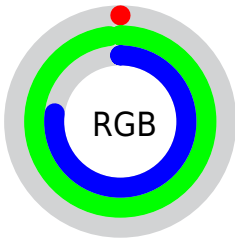
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 140, 250
Decimal	64197
CIELab	88.16, -61.41, 11.65
CIELCh	88, 62.508, 169.259
Yxy	72.4024, 0.2444, 0.3997
Android (android.graphics.Color)	4278254277 (0xFF00FAC5)
YUV	169.2080, 13.7015, -148.3954
Hunter-Lab	85.0896, -56.0509, 14.6435

# Details

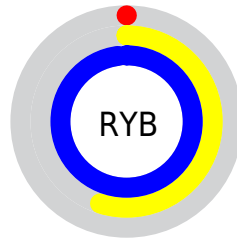
The XYZ color **44.2637, 72.4024, 64.4655** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **40.0700, 20.5833, 5.2353**, and the grayscale version is **37.8042, 39.7729, 43.3127**.

A 20% lighter version of the original color is **60.7196, 82.3206, 106.4551**, and **23.8076, 39.6824, 32.3913** is the 20% darker color. If you saturate the color by 10%, you get **44.2639, 72.4044, 64.4609**, and if you desaturate by 10%, it is **45.2855, 72.8595, 67.7421**.

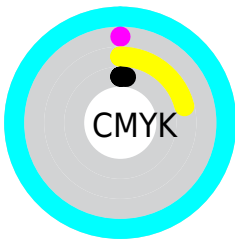
# Distribution



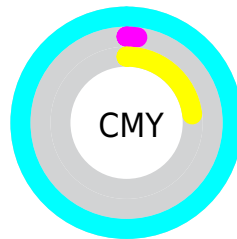
- Red (0%)
- Green (98%)
- Blue (77%)



- Red (0%)
- Yellow (55%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2637, 72.4024, 64.4655 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 44.2637, 72.4024, 64.4655 by changing the saturation by 10% instead.





 44.2637, 72.4024,  
64.4655


 44.2637, 72.4024,  
64.4655


354.6173,  
468.9410, 459.1222


 31.0767, 53.4875,  
46.5792


 80.8583, 122.6285,  
112.8870


 20.8094, 38.1920,  
32.3512


 104.9966,  
154.7084, 144.2592


 13.0964, 26.1318,  
21.3628


 133.5160,  
191.9454, 180.9639

 7.5724, 16.9222,  
13.1957

 166.7819,  
234.7239, 223.4195

 3.8721, 10.1791,  
7.4311

 205.1596,  
283.4284, 272.0446

 1.6300, 5.5178,  
3.6506

249.0145,

 0.4119, 2.5542,

338.4431, 327.2577

1.4357

298.7120,  
400.1525, 389.4774

■ 0.0000, 0.9037,  
0.1693

■ 0.0000, 0.0000,  
0.0000

■ 44.2637, 72.4024,  
64.4655

■ 44.2637, 72.4024,  
64.4655

■ 44.2639, 72.4044,  
64.4609

■ 45.2855, 72.8595,  
67.7421

■ 46.8412, 73.5876,  
71.1548

■ 49.0906, 74.6708,  
74.7137

■ 52.1299, 76.1586,  
78.4243

■ 56.0395, 78.0925,  
82.2916

■ 60.8901, 80.5089,  
86.3198

■ 66.7447, 83.4404,  
90.5130

■ 73.6609, 86.9164,  
94.8749

■ 81.6920, 90.9646,  
99.4089

# Harmonies

## Analogous

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



49.2554, 72.4024, 36.3897



44.2637, 72.4024, 64.4655



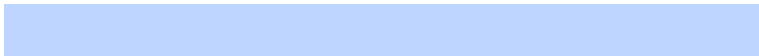
45.0921, 72.4024, 109.2209

# Triad

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



44.2637, 72.4024, 64.4655



78.7386, 72.4024, 184.8761



89.3314, 72.4024, 31.4669

# Complementary

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



44.2637, 72.4024, 64.4655



40.0700, 20.5833, 5.2353

# 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.



99.6733, 72.4024, 54.6808



44.2637, 72.4024, 64.4655



92.9716, 72.4024, 145.6863

# Square

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



44.2637, 72.4024, 64.4655



63.5971, 72.4024, 190.5176



101.0943, 72.4024, 95.1928



74.3136, 72.4024, 22.4628



# Rectangle

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



44.2637, 72.4024, 64.4655



48.8737, 72.4024, 143.2422



101.0943, 72.4024, 95.1928



93.5572, 72.4024, 37.3733

# Sweetspot

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



44.2657, 72.4052, 64.4672



69.7823, 87.2631, 94.6555



35.7194, 69.1637, 11.4687



14.3553, 18.3867, 19.8595



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.



44.2657, 72.4052, 64.4672



46.2942, 75.7337, 67.3924



33.4134, 39.2164, 96.2541



17.5989, 19.5418, 21.3545



23.5330, 38.4262, 34.4797



2.2176, 3.5741, 3.3935



# Inverse Universe

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



40.0700, 20.5833, 5.2353



41.9075, 21.5270, 5.4452



41.6709, 24.8147, 2.5948



17.3952, 17.2854, 18.6708



21.2951, 10.9338, 2.9967

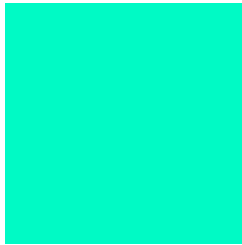


2.0093, 1.0275, 0.4724



# Previews

## White Background



This preview shows how the XYZ color 44.2637, 72.4024, 64.4655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

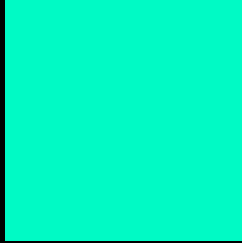
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2637, 72.4024, 64.4655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

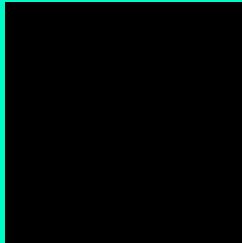
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.2637, 72.4024, 64.4655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2637, 72.4024, 64.4655.



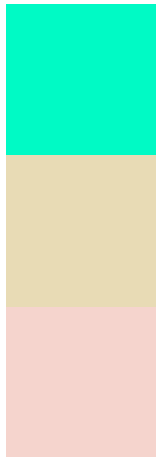
This preview shows how white text looks on a background with the XYZ color 44.2637, 72.4024,



# 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

44.2637, 72.4024, 64.4655

### Protanopia

66.9507, 71.1550, 53.9217

### Deuteranopia

72.2191, 70.9072, 67.6377



## Tritanopia

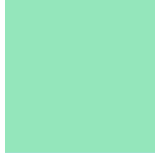
55.5640, 71.9465, 105.5663

# Trichromacy



## Original Color

44.2637, 72.4024, 64.4655



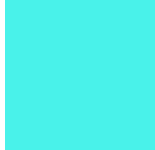
## Protanomaly

49.4792, 66.4774, 57.2373



## Deuteranomaly

51.5673, 65.7249, 65.8454



## Tritanomaly

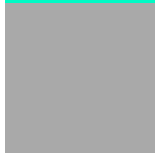
49.3511, 70.8612, 88.9184

# Monochromacy



## Original Color

44.2637, 72.4024, 64.4655



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

34.5151, 46.8310, 49.8680

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2637, 72.4024, 64.4655 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, 250, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 197)  
}
```

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, 250, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2637, 72.4024, 64.4655 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, 250, 197) }
```



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

```
.border{ border-color:rgb(0, 250, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2637, 72.4024, 64.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 197) }
```

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

```
.background{ background-color: rgb(0, 250,  
197) }
```

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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