

Converting Colors

XYZ(47.3564, 73.5898, 80.9050)

Have a look what the booklet for
XYZ(47.3564, 73.5898, 80.9050)
contains.

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Color

**XYZ(47.3704, 73.6451,
80.8255)**

Conversions

Conversions Part 1

Format	Color
Hex	00FADE
RGB	0, 250, 222
RGB Percent	0%, 98%, 87%
CMY	0.9998, 0.0196, 0.1294
CMYK	1.00, 0.00, 0.11, 0.02
HSL	173°, 100%, 49%
HSV	173°, 100%, 98%
XYZ	47.3704, 73.6451, 80.8255
YIQ	172.0580, -140.0120, -61.7080

Conversions

Conversions Part 2

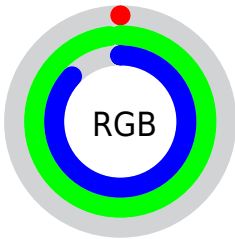
Format	Color
RYB	0, 132, 250
Decimal	64222
CIELab	88.75, -55.10, -0.48
CIELCh	89, 55.106, 180.497
Yxy	73.6451, 0.2347, 0.3649
Android (android.graphics.Color)	4278254302 (0xFF00FADE)
YUV	172.0580, 24.6214, -150.8949
Hunter-Lab	85.8167, -51.6482, 4.2301

Details

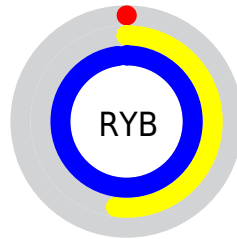
The XYZ color **47.3704, 73.6451, 80.8255** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **39.6366, 20.4100, 2.9526**, and the grayscale version is **39.1813, 41.2218, 44.8905**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.8247, 40.4893, 43.0133** is the 20% darker color. If you saturate the color by 10%, you get **47.3710, 73.6472, 80.8229**, and if you desaturate by 10%, it is **48.1527, 74.0064, 82.8399**.

Distribution



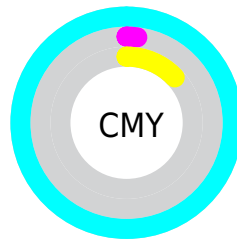
- Red (0%)
- Green (98%)
- Blue (87%)



- Red (0%)
- Yellow (52%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3704, 73.6451, 80.8255 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 47.3704, 73.6451, 80.8255 by changing the saturation by 10% instead.


 47.3704, 73.6451,
80.8255


 47.3704, 73.6451,
80.8255


366.9153,
473.2476, 517.4904


 33.5377, 54.5036,
59.8677


 85.4816, 124.3926,
136.3476


 22.6999, 39.0044,
42.8874


 110.4909,
156.7674, 171.7490


 14.4916, 26.7632,
29.4661


 139.9564,
194.3220, 212.8020

 8.5473, 17.3954,
19.1851

 174.2436,
237.4410, 259.9252

 4.5018, 10.5168,
11.6259

 213.7177,
286.5086, 313.5371

 1.9898, 5.7430,
6.3701

258.7441,

 0.6282, 2.6894,

341.9094, 374.0562

2.9990

309.6882,
404.0275, 441.9012

■ 0.0000, 0.9718,
1.0941

■ 0.0000, 0.0000,
0.0000

■ 47.3704, 73.6451,
80.8255

■ 47.3704, 73.6451,
80.8255

■ 47.3710, 73.6472,
80.8229

■ 48.1527, 74.0064,
82.8399

■ 49.4535, 74.6325,
84.9096

■ 51.4326, 75.6076,
87.0439

■ 54.1859, 76.9810,
89.2474

■ 57.7937, 78.7943,
91.5241

■ 62.3264, 81.0836,
93.8775

■ 67.8470, 83.8814,
96.3105

■ 74.4129, 87.2174,
98.8260

■ 82.0772, 91.1188,
101.4267

Harmonies

Analogous

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



49.9777, 73.6451, 49.2002



47.3704, 73.6451, 80.8255



50.1555, 73.6451, 123.5014

Triad

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



47.3704, 73.6451, 80.8255



83.8259, 73.6451, 161.5142



83.3923, 73.6451, 31.7684

Complementary

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



47.3704, 73.6451, 80.8255



39.6366, 20.4100, 2.9526

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.



94.4839, 73.6451, 48.4080



47.3704, 73.6451, 80.8255



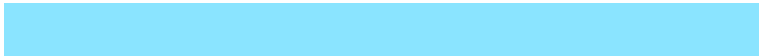
94.7557, 73.6451, 122.0362

Square

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



47.3704, 73.6451, 80.8255



70.2201, 73.6451, 178.2520



98.8796, 73.6451, 79.5519



69.7753, 73.6451, 26.9075

Rectangle

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



47.3704, 73.6451, 80.8255



54.9277, 73.6451, 151.1990



98.8796, 73.6451, 79.5519



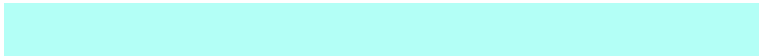
87.5985, 73.6451, 35.8403

Sweetspot

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



47.3725, 73.6479, 80.8273



70.9356, 87.7245, 100.7288



34.6999, 68.6380, 11.4212



14.6342, 18.4982, 21.3280



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.



47.3725, 73.6479, 80.8273



49.5469, 77.0348, 84.5207



28.8436, 30.0767, 94.7307



17.6771, 19.5731, 21.7663



25.1601, 39.0770, 43.0477



2.3534, 3.6285, 4.1088

Inverse Universe

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



39.6366, 20.4100, 2.9526



41.4565, 21.3466, 3.0699



43.5969, 28.6666, 3.2370



17.3237, 17.2568, 18.2941



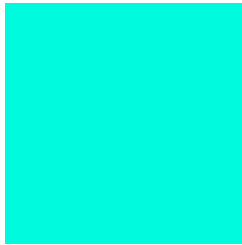
21.0486, 10.8352, 1.6983



1.9744, 1.0135, 0.2884

Previews

White Background



This preview shows how the XYZ color 47.3704, 73.6451, 80.8255 looks on a white background.

Color Contrast Check

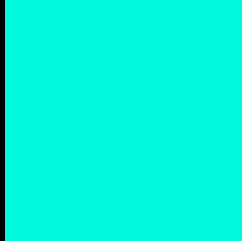
Large Text (above 18pt) WCAG AA × Fail

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 47.3704, 73.6451, 80.8255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

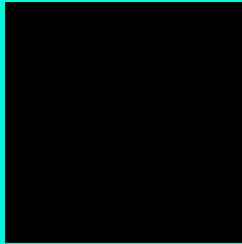
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

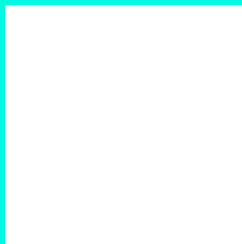
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3704, 73.6451, 80.8255

Background



This preview shows how black text looks on a background with the XYZ color 47.3704, 73.6451, 80.8255.

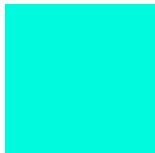


This preview shows how white text looks on a background with the XYZ color 47.3704, 73.6451,

Color Blindness Simulation

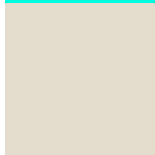
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



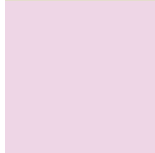
Original Color

47.3704, 73.6451, 80.8255



Protanopia

68.6076, 72.0882, 68.0560



Deuteranopia

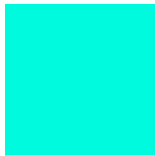
73.5894, 71.9834, 84.8785



Tritanopia

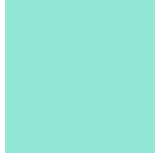
57.0849, 73.1640, 105.7211

Trichromacy



Original Color

47.3704, 73.6451, 80.8255



Protanomaly

52.0108, 67.8747, 71.9879



Deuteranomaly

54.0967, 67.0635, 82.7664



Tritanomaly

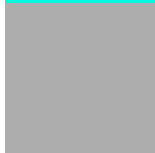
51.3701, 72.1920, 96.0210

Monochromacy



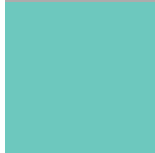
Original Color

47.3704, 73.6451, 80.8255



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.2552, 48.2775, 56.1228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3704, 73.6451, 80.8255 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 222) }
```

Border

The CSS property to change the border of an element to XYZ 47.3704, 73.6451, 80.8255 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, 222) }
```


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

```
.border{ border-color:rgb(0, 250, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 250, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 250, 222); box-shadow:4px 4px 4px 4px rgb(0, 250, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3704, 73.6451, 80.8255 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, 222) }
```

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

```
.background{ background-color: rgb(0, 250,  
222) }
```

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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