

Converting Colors

XYZ(47.7494, 73.7470, 82.9745)

Have a look what the booklet for
XYZ(47.7494, 73.7470, 82.9745)
contains.

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Color

**XYZ(47.7762, 73.8075,
82.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAE1
RGB	0, 250, 225
RGB Percent	0%, 98%, 88%
CMY	0.9998, 0.0196, 0.1176
CMYK	1.00, 0.00, 0.10, 0.02
HSL	174°, 100%, 49%
HSV	174°, 100%, 98%
XYZ	47.7762, 73.8075, 82.9624
YIQ	172.4000, -140.9750, -60.7750

Conversions

Conversions Part 2

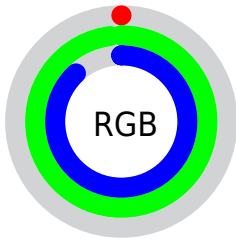
Format	Color
RYB	0, 132, 250
Decimal	64225
CIELab	88.83, -54.31, -1.93
CIELCh	89, 54.341, 182.033
Yxy	73.8075, 0.2336, 0.3608
Android (android.graphics.Color)	4278254305 (0xFF00FAE1)
YUV	172.4000, 25.9318, -151.1948
Hunter-Lab	85.9113, -51.0790, 2.8830

Details

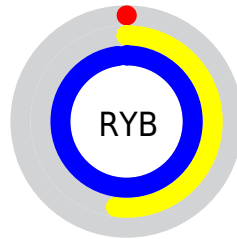
The XYZ color **47.7762, 73.8075, 82.9624** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **39.6024, 20.3963, 2.7724**, and the grayscale version is **39.3481, 41.3973, 45.0816**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **26.1053, 40.6016, 44.4912** is the 20% darker color. If you saturate the color by 10%, you get **47.7769, 73.8097, 82.9603**, and if you desaturate by 10%, it is **48.5237, 74.1548, 84.7931**.

Distribution



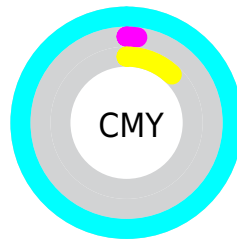
- Red (0%)
- Green (98%)
- Blue (88%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7762, 73.8075, 82.9624 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 47.7762, 73.8075, 82.9624 by changing the saturation by 10% instead.


 47.7762, 73.8075,
82.9624


 47.7762, 73.8075,
82.9624


368.5017,
473.8087, 524.8289


 33.8602, 54.6365,
61.6187


 86.0828, 124.6229,
139.3716


 22.9486, 39.1108,
44.2909


 111.2041,
157.0361, 175.2741


 14.6760, 26.8459,
30.5604


 140.7913,
194.6321, 216.8667

 8.6772, 17.4575,
20.0087

 175.2096,
237.7954, 264.5678

 4.5866, 10.5612,
12.2172

 214.8244,
286.9103, 318.7961

 2.0391, 5.7726,
6.7674

260.0012,

 0.6558, 2.7073,

342.3612, 379.9700

3.2409

311.1052,
404.5325, 448.5081

■ 0.0000, 0.9809,
1.2189

■ 0.0000, 0.0000,
0.0000

■ 47.7762, 73.8075,
82.9624

■ 47.7762, 73.8075,
82.9624

■ 47.7769, 73.8097,
82.9603

■ 48.5237, 74.1548,
84.7931

■ 49.7883, 74.7665,
86.6726

■ 51.7299, 75.7265,
88.6101

■ 54.4445, 77.0845,
90.6102

■ 58.0123, 78.8817,
92.6767

■ 62.5038, 81.1545,
94.8131

■ 67.9818, 83.9353,
97.0223

■ 74.5038, 87.2538,
99.3073

■ 82.1229, 91.1371,
101.6705

Harmonies

Analogous

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



50.0882, 73.8075, 50.9383



47.7762, 73.8075, 82.9624



50.8088, 73.8075, 125.2670

Triad

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



47.7762, 73.8075, 82.9624



84.4507, 73.8075, 158.8054



82.7032, 73.8075, 31.8391

Complementary

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



47.7762, 73.8075, 82.9624



39.6024, 20.3963, 2.7724

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.



93.8698, 73.8075, 47.7225



47.7762, 73.8075, 82.9624



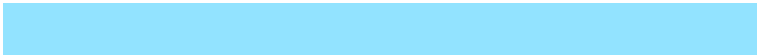
94.9642, 73.8075, 119.3752

Square

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



47.7762, 73.8075, 82.9624



71.0534, 73.8075, 176.7488



98.6073, 73.8075, 77.8201



69.2579, 73.8075, 27.5099

Rectangle

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



47.7762, 73.8075, 82.9624



55.7046, 73.8075, 152.1231



98.6073, 73.8075, 77.8201



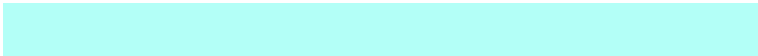
86.9031, 73.8075, 35.6938

Sweetspot

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



47.7783, 73.8103, 82.9642



71.0773, 87.7811, 101.4747



34.6999, 68.6381, 11.4211



14.6685, 18.5120, 21.5090



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.



47.7783, 73.8103, 82.9642



49.9718, 77.2047, 86.7584



28.8435, 30.0765, 94.7308



17.6866, 19.5769, 21.8161



25.3723, 39.1619, 44.1651



2.3709, 3.6355, 4.2010

Inverse Universe

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



39.6024, 20.3963, 2.7724



41.4210, 21.3324, 2.8831



43.5968, 28.6664, 3.2369



17.3151, 17.2534, 18.2493



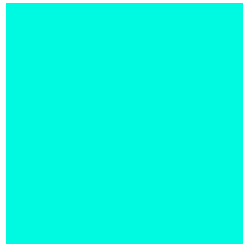
21.0284, 10.8271, 1.5920



1.9703, 1.0119, 0.2673

Previews

White Background



This preview shows how the XYZ color 47.7762, 73.8075, 82.9624 looks on a white background.

Color Contrast Check

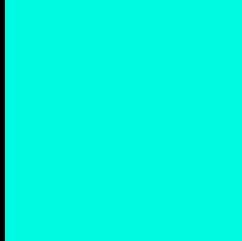
Large Text (above 18pt) WCAG AA × Fail

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 47.7762, 73.8075, 82.9624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

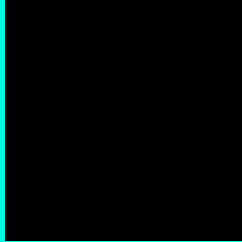
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7762, 73.8075, 82.9624

Background



This preview shows how black text looks on a background with the XYZ color 47.7762, 73.8075, 82.9624.



This preview shows how white text looks on a background with the XYZ color 47.7762, 73.8075,

Color Blindness Simulation

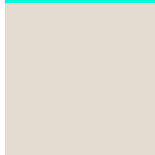
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



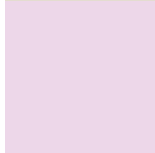
Original Color

47.7762, 73.8075, 82.9624



Protanopia

68.9733, 72.2344, 69.9819



Deuteranopia

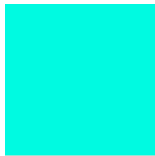
73.9335, 72.4886, 87.1858



Tritanopia

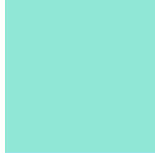
57.2287, 73.2381, 105.7278

Trichromacy



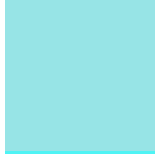
Original Color

47.7762, 73.8075, 82.9624



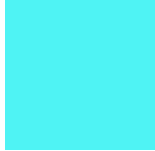
Protanomaly

52.3906, 68.0266, 73.9875



Deuteranomaly

54.7888, 67.7793, 85.0579



Tritanomaly

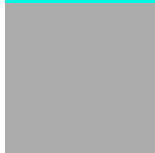
51.6042, 72.2951, 96.8225

Monochromacy



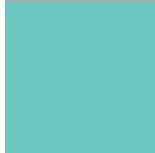
Original Color

47.7762, 73.8075, 82.9624



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.3649, 48.3214, 56.7005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7762, 73.8075, 82.9624 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 225) }
```

Border

The CSS property to change the border of an element to XYZ 47.7762, 73.8075, 82.9624 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, 225) }
```


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

```
.border{ border-color:rgb(0, 250, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7762, 73.8075, 82.9624 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, 225) }
```

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

```
.background{ background-color: rgb(0, 250,  
225) }
```

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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