

Converting Colors

XYZ(41.9673, 64.3219, 74.4523)

Have a look what the booklet for
XYZ(41.9673, 64.3219, 74.4523)
contains.

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Color

**XYZ(41.9741, 64.3230,
74.4933)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBD7
RGB	0, 235, 215
RGB Percent	0%, 92%, 84%
CMY	0.9998, 0.0784, 0.1569
CMYK	1.00, 0.00, 0.09, 0.08
HSL	175°, 100%, 46%
HSV	175°, 100%, 92%
XYZ	41.9741, 64.3230, 74.4933
YIQ	162.4550, -133.6400, -56.0400

Conversions

Conversions Part 2

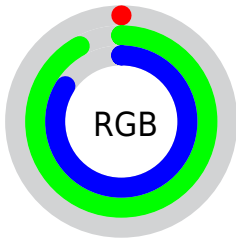
Format	Color
RYB	0, 123, 235
Decimal	60375
CIELab	84.13, -50.85, -3.59
CIELCh	84, 50.977, 184.035
Yxy	64.3230, 0.2322, 0.3558
Android (android.graphics.Color)	4278250455 (0xFF00EBD7)
YUV	162.4550, 25.9047, -142.4730
Hunter-Lab	80.2016, -46.9336, 1.0711

Details

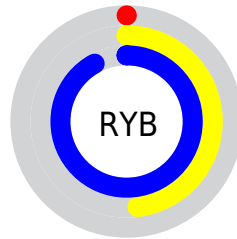
The XYZ color **41.9741, 64.3230, 74.4933** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.3895, 17.7146, 2.2711**, and the grayscale version is **34.4913, 36.2876, 39.5171**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.2656, 34.3789, 38.7200** is the 20% darker color. If you saturate the color by 10%, you get **41.9747, 64.3249, 74.4918**, and if you desaturate by 10%, it is **42.6002, 64.6173, 75.8744**.

Distribution



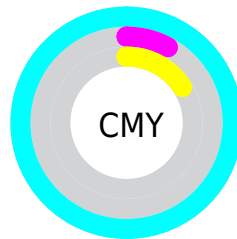
- Red (0%)
- Green (92%)
- Blue (84%)



- Red (0%)
- Yellow (48%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9741, 64.3230, 74.4933 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 41.9741, 64.3230, 74.4933 by changing the saturation by 10% instead.


 41.9741, 64.3230,
74.4933


 41.9741, 64.3230,
74.4933


345.3690,
440.3551, 495.3830


 29.2720, 46.9123,
54.6987


 77.4258, 111.0760,
127.3353


 19.4320, 32.9664,
38.7635


 100.9062,
141.1871, 161.2198


 12.0887, 22.1007,
26.2694

 128.7101,
176.3004, 200.6380

 6.8768, 13.9309,
16.7977

 161.2028,
216.8005, 246.0084

 3.4308, 8.0726,
9.9299

 198.7497,
263.0716, 297.7495

 1.3855, 4.1414,
5.2475

241.7161,

 0.2458, 1.7530,

315.4981, 356.2800

2.3320

290.4674,
374.4645, 422.0183

■ 0.0000, 0.4576,
0.7490

■ 0.0000, 0.0000,
0.0000

■ 41.9741, 64.3230,
74.4933

■ 41.9741, 64.3230,
74.4933

■ 41.9747, 64.3249,
74.4918

■ 42.6002, 64.6173,
75.8744

■ 43.6707, 65.1389,
77.2913

■ 45.3269, 65.9621,
78.7521

■ 47.6508, 67.1292,
80.2608

■ 50.7115, 68.6756,
81.8206

■ 54.5690, 70.6326,
83.4344

■ 59.2777, 73.0279,
85.1048

■ 64.8868, 75.8870,
86.8341

■ 71.4419, 79.2334,
88.6245

Harmonies

Analogous

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



43.6560, 64.3230, 46.2343



41.9741, 64.3230, 74.4933



44.8851, 64.3230, 110.8149

Triad

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



41.9741, 64.3230, 74.4933



74.0807, 64.3230, 135.0556



71.1204, 64.3230, 27.7561

Complementary

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



41.9741, 64.3230, 74.4933



34.3895, 17.7146, 2.2711

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.



80.9032, 64.3230, 40.7357



41.9741, 64.3230, 74.4933



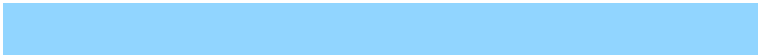
82.7543, 64.3230, 100.8625

Square

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



41.9741, 64.3230, 74.4933



62.6740, 64.3230, 151.9407



85.3918, 64.3230, 65.7617



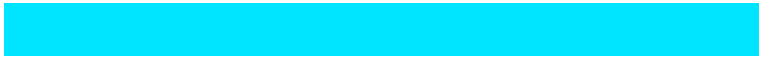
59.6255, 64.3230, 24.5890

Rectangle

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



41.9741, 64.3230, 74.4933



49.2768, 64.3230, 133.2066



85.3918, 64.3230, 65.7617



74.7623, 64.3230, 30.8677

Sweetspot

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



41.9760, 64.3254, 74.4948



71.2541, 87.8518, 102.4055



30.0757, 59.6075, 9.9218



14.7115, 18.5291, 21.7350



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.



41.9760, 64.3254, 74.4948



50.5096, 77.4199, 89.5906



24.5249, 25.0553, 82.1435



15.4591, 17.0985, 19.1006



23.3837, 35.8079, 41.5812



1.8525, 2.8183, 3.3511

Inverse Universe

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



34.3895, 17.7146, 2.2711



41.3820, 21.3168, 2.6779



38.2681, 25.6742, 2.9402



15.1175, 15.0749, 15.9042



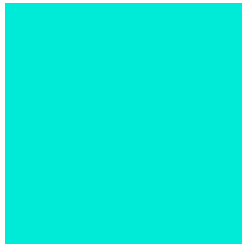
19.1570, 9.8655, 1.3621



1.5223, 0.7819, 0.2016

Previews

White Background



This preview shows how the XYZ color 41.9741, 64.3230, 74.4933 looks on a white background.

Color Contrast Check

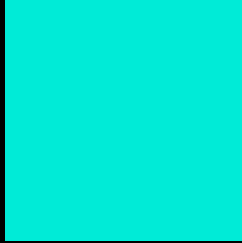
Large Text (above 18pt) WCAG AA × Fail

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 41.9741, 64.3230, 74.4933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

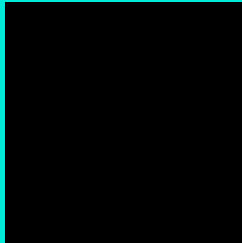
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

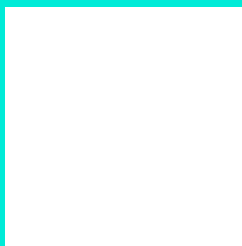
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9741, 64.3230, 74.4933

Background



This preview shows how black text looks on a background with the XYZ color 41.9741, 64.3230, 74.4933.

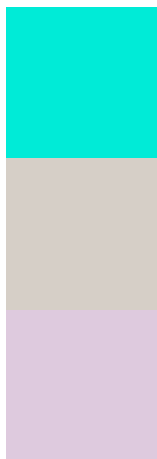


This preview shows how white text looks on a background with the XYZ color 41.9741, 64.3230,

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

41.9741, 64.3230, 74.4933

Protanopia

60.3532, 63.0453, 63.0208

Deuteranopia

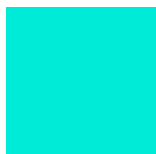
64.4295, 63.0446, 77.8803



Tritanopia

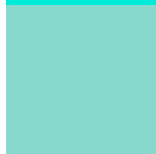
47.1406, 64.3327, 99.5554

Trichromacy



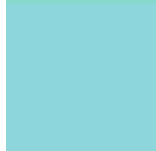
Original Color

41.9741, 64.3230, 74.4933



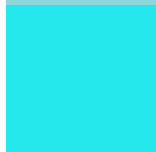
Protanomaly

45.9856, 59.2677, 66.7737



Deuteranomaly

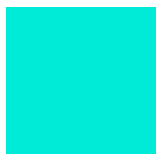
47.8173, 58.8703, 75.8607



Tritanomaly

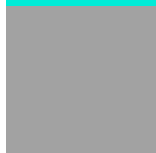
44.9056, 64.2210, 90.1499

Monochromacy



Original Color

41.9741, 64.3230, 74.4933



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.1316, 42.6150, 50.2481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9741, 64.3230, 74.4933 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, 235, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 215)  
}
```

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, 235, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 215) }
```

Border

The CSS property to change the border of an element to XYZ 41.9741, 64.3230, 74.4933 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, 235, 215) }
```


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

```
.border{ border-color:rgb(0, 235, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9741, 64.3230, 74.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 215) }
```

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

```
.background{ background-color: rgb(0, 235,  
215) }
```

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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