

Converting Colors

XYZ(27.6434, 56.8386, 73.3446)

Have a look what the booklet for
XYZ(27.6434, 56.8386, 73.3446)
contains.

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Color

**XYZ(41.8459, 64.2717,
73.8185)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBD6
RGB	0, 235, 214
RGB Percent	0%, 92%, 84%
CMY	0.9998, 0.0784, 0.1608
CMYK	1.00, 0.00, 0.09, 0.08
HSL	175°, 100%, 46%
HSV	175°, 100%, 92%
XYZ	41.8459, 64.2717, 73.8185
YIQ	162.3410, -133.3190, -56.3510

Conversions

Conversions Part 2

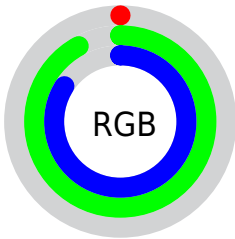
Format	Color
RYB	0, 123, 235
Decimal	60374
CIELab	84.11, -51.12, -3.10
CIElCh	84, 51.218, 183.469
Yxy	64.2717, 0.2326, 0.3572
Android (android.graphics.Color)	4278250454 (0xFF00EBD6)
YUV	162.3410, 25.4679, -142.3731
Hunter-Lab	80.1696, -47.1258, 1.5258

Details

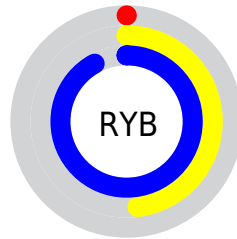
The XYZ color **41.8459, 64.2717, 73.8185** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.3985, 17.7181, 2.3188**, and the grayscale version is **34.4391, 36.2326, 39.4573**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **22.1784, 34.3440, 38.2610** is the 20% darker color. If you saturate the color by 10%, you get **41.8466, 64.2736, 73.8171**, and if you desaturate by 10%, it is **42.4833, 64.5706, 75.2594**.

Distribution



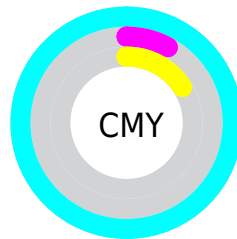
- Red (0%)
- Green (92%)
- Blue (84%)



- 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 41.8459, 64.2717, 73.8185 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 41.8459, 64.2717, 73.8185 by changing the saturation by 10% instead.


 41.8459, 64.2717,
73.8185


 41.8459, 64.2717,
73.8185


344.8462,
440.1701, 492.9934


 29.1712, 46.8708,
54.1496


 77.2330, 111.0021,
126.3702


 19.3553, 32.9335,
38.3273


 100.6761,
141.1004, 160.0900

 12.0328, 22.0755,
25.9330


 128.4394,
176.2000, 199.3306

 6.8384, 13.9124,
16.5482

 160.8882,
216.6851, 244.5104

 3.4067, 8.0598,
9.7544

 198.3880,
262.9404, 296.0481

 1.3723, 4.1332,
5.1329

241.3040,

 0.2364, 1.7484,

315.3500, 354.3621

2.2654

290.0016,
374.2985, 419.8710

■ 0.0000, 0.4547,
0.7117

■ 0.0000, 0.0000,
0.0000

■ 41.8459, 64.2717,
73.8185

■ 41.8459, 64.2717,
73.8185

■ 41.8466, 64.2736,
73.8171

■ 42.4833, 64.5706,
75.2594

■ 43.5654, 65.0968,
76.7378

■ 45.2335, 65.9247,
78.2618

■ 47.5696, 67.0966,
79.8354

■ 50.6427, 68.6481,
81.4617

■ 54.5131, 70.6101,
83.1438

■ 59.2349, 73.0107,
84.8842

■ 64.8575, 75.8751,
86.6852

■ 71.4263, 79.2270,
88.5491

Harmonies

Analogous

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



43.6195, 64.2717, 45.6783



41.8459, 64.2717, 73.8185



44.6795, 64.2717, 110.2676

Triad

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



41.8459, 64.2717, 73.8185



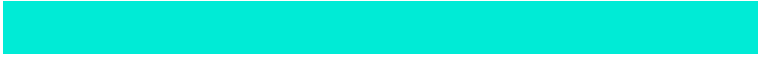
73.8873, 64.2717, 135.8768



71.3295, 64.2717, 27.7307

Complementary

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



41.8459, 64.2717, 73.8185



34.3985, 17.7181, 2.3188

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.



81.0907, 64.2717, 40.9395



41.8459, 64.2717, 73.8185



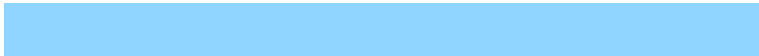
82.6909, 64.2717, 101.6611

Square

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



41.8459, 64.2717, 73.8185



62.4140, 64.2717, 152.4049



85.4760, 64.2717, 66.2788



59.7816, 64.2717, 24.3962

Rectangle

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



41.8459, 64.2717, 73.8185



49.0328, 64.2717, 132.9263



85.4760, 64.2717, 66.2788



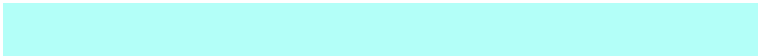
74.9737, 64.2717, 30.9088

Sweetspot

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



41.8478, 64.2741, 73.8200



71.2035, 87.8316, 102.1391



30.0755, 59.6074, 9.9216



14.6992, 18.5242, 21.6703



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.



41.8478, 64.2741, 73.8200



50.3548, 77.3579, 88.7754



24.5245, 25.0547, 82.1434



15.4562, 17.0973, 19.0853



23.3134, 35.7798, 41.2111



1.8477, 2.8164, 3.3258

Inverse Universe

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



34.3985, 17.7181, 2.3188



41.3926, 21.3210, 2.7335



38.2678, 25.6737, 2.9400



15.1201, 15.0759, 15.9179



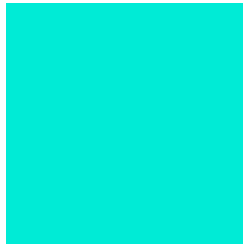
19.1627, 9.8678, 1.3921



1.5235, 0.7824, 0.2082

Previews

White Background



This preview shows how the XYZ color 41.8459, 64.2717, 73.8185 looks on a white background.

Color Contrast Check

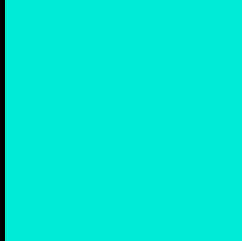
Large Text (above 18pt) WCAG AA × Fail

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 41.8459, 64.2717, 73.8185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

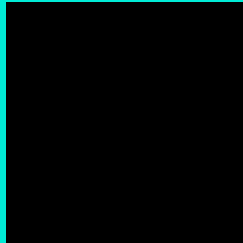
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

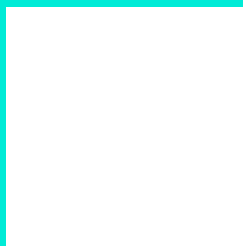
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8459, 64.2717, 73.8185

Background



This preview shows how black text looks on a background with the XYZ color 41.8459, 64.2717, 73.8185.

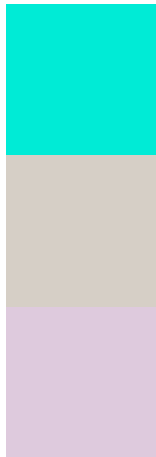


This preview shows how white text looks on a background with the XYZ color 41.8459, 64.2717,

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

41.8459, 64.2717, 73.8185

Protanopia

60.2374, 62.9990, 62.4113

Deuteranopia

64.2959, 62.9911, 77.1764



Tritanopia

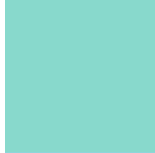
47.1406, 64.3327, 99.5554

Trichromacy



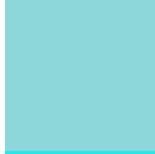
Original Color

41.8459, 64.2717, 73.8185



Protanomaly

45.8653, 59.2196, 66.1399



Deuteranomaly

47.6860, 58.8178, 75.1693



Tritanomaly

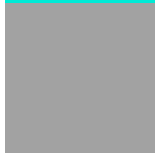
44.7599, 64.1627, 89.3824

Monochromacy



Original Color

41.8459, 64.2717, 73.8185



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 41.8459, 64.2717, 73.8185 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.8459, 64.2717, 73.8185 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, 214) }
```


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

```
.border{ border-color:rgb(0, 235, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8459, 64.2717, 73.8185 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, 214) }
```

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

```
.background{ background-color: rgb(0, 235,  
214) }
```

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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