

Converting Colors

XYZ(42.0158, 64.1566, 75.2773)

Have a look what the booklet for
XYZ(42.0158, 64.1566, 75.2773)
contains.

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Color

**XYZ(42.1030, 64.3745,
75.1722)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00EBD8 |
| RGB | 0, 235, 216 |
| RGB Percent | 0%, 92%, 85% |
| CMY | 0.9998, 0.0784, 0.1529 |
| CMYK | 1.00, 0.00, 0.08, 0.08 |
| HSL | 175°, 100%, 46% |
| HSV | 175°, 100%, 92% |
| XYZ | 42.1030, 64.3745, 75.1722 |
| YIQ | 162.5690, -133.9610, -55.7290 |

Conversions

Conversions Part 2

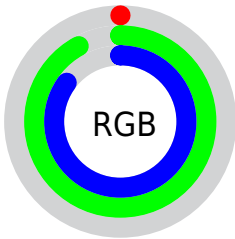
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 122, 235 |
| Decimal | 60376 |
| CIELab | 84.16, -50.58, -4.07 |
| CIELCh | 84, 50.741, 184.606 |
| Yxy | 64.3745, 0.2318, 0.3544 |
| Android (android.graphics.Color) | 4278250456 (0xFF00EBD8) |
| YUV | 162.5690, 26.3415, -142.5730 |
| Hunter-Lab | 80.2337, -46.7403, 0.6139 |

Details

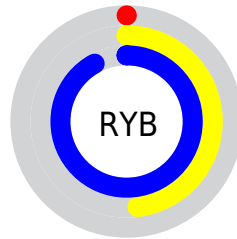
The XYZ color **42.1030, 64.3745, 75.1722** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.3807, 17.7111, 2.2251**, and the grayscale version is **34.5432, 36.3421, 39.5765**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.3534, 34.4140, 39.1826** is the 20% darker color. If you saturate the color by 10%, you get **42.1036, 64.3764, 75.1707**, and if you desaturate by 10%, it is **42.7176, 64.6642, 76.4927**.

Distribution



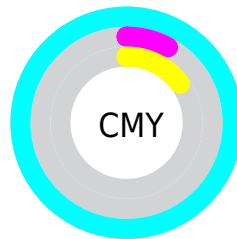
- Red (0%)
- Green (92%)
- Blue (85%)



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



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



- Cyan (100%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1030, 64.3745, 75.1722 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 42.1030, 64.3745, 75.1722 by changing the saturation by 10% instead.

42.1030, 64.3745,
75.1722

42.1030, 64.3745,
75.1722

345.8941,
440.5408, 497.7804

29.3734, 46.9541,
55.2514

77.6197, 111.1501,
128.3054

19.5092, 32.9993,
39.2031

101.1375,
141.2741, 162.3549

12.1450, 22.1259,
26.6087

128.9820,
176.4013, 201.9511

6.9154, 13.9495,
17.0497

161.5188,
216.9162, 247.5124

3.4551, 8.0855,
10.1076

199.1130,
263.2033, 299.4575

1.3987, 4.1497,
5.3638

242.1300,

0.2553, 1.7577,

315.6468, 358.2048

2.3998

290.9353,
374.6311, 424.1729

■ 0.0000, 0.4606,
0.7864

■ 0.0000, 0.0000,
0.0000

■ 42.1030, 64.3745,
75.1722

■ 42.1030, 64.3745,
75.1722

■ 42.1036, 64.3764,
75.1707

■ 42.7176, 64.6642,
76.4927

■ 43.7763, 65.1811,
77.8473

■ 45.4204, 65.9995,
79.2444

■ 47.7320, 67.1616,
80.6876

■ 50.7799, 68.7030,
82.1803

■ 54.6245, 70.6547,
83.7254

■ 59.3199, 73.0447,
85.3255

■ 64.9154, 75.8984,
86.9828

■ 71.4565, 79.2393,
88.6997

Harmonies

Analogous

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



43.6930, 64.3745, 46.7952



42.1030, 64.3745, 75.1722



45.0917, 64.3745, 111.3633

Triad

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



42.1030, 64.3745, 75.1722



74.2742, 64.3745, 134.2366



70.9118, 64.3745, 27.7822

Complementary

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



42.1030, 64.3745, 75.1722



34.3807, 17.7111, 2.2251

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.



80.7158, 64.3745, 40.5332



42.1030, 64.3745, 75.1722



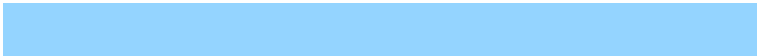
82.8175, 64.3745, 100.0678

Square

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



42.1030, 64.3745, 75.1722



62.9348, 64.3745, 151.4759



85.3074, 64.3745, 65.2477



59.4700, 64.3745, 24.7835

Rectangle

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



42.1030, 64.3745, 75.1722



49.5220, 64.3745, 133.4861



85.3074, 64.3745, 65.2477



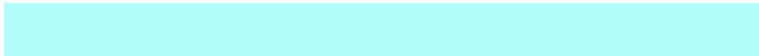
74.5513, 64.3745, 30.8273

Sweetspot

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



42.1049, 64.3769, 75.1737



71.3048, 87.8721, 102.6725



29.9907, 59.5636, 9.9178



14.7238, 18.5341, 21.7999



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.



42.1049, 64.3769, 75.1737



50.6655, 77.4822, 90.4111



23.9576, 23.9207, 81.9543



15.4620, 17.0996, 19.1160



23.4544, 35.8362, 41.9536



1.8573, 2.8202, 3.3765

Inverse Universe

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



34.3807, 17.7111, 2.2251



41.3719, 21.3128, 2.6245



38.6254, 26.3888, 3.0593



15.1149, 15.0738, 15.8904



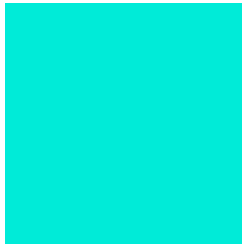
19.1515, 9.8633, 1.3331



1.5210, 0.7814, 0.1950

Previews

White Background



This preview shows how the XYZ color 42.1030, 64.3745, 75.1722 looks on a white background.

Color Contrast Check

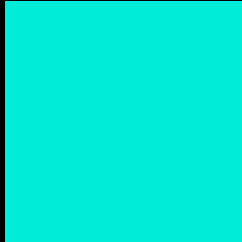
Large Text (above 18pt) WCAG AA × Fail

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 42.1030, 64.3745, 75.1722 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

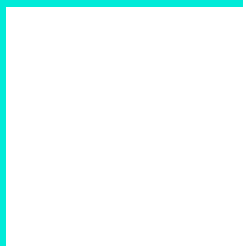
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1030, 64.3745, 75.1722

Background



This preview shows how black text looks on a background with the XYZ color 42.1030, 64.3745, 75.1722.

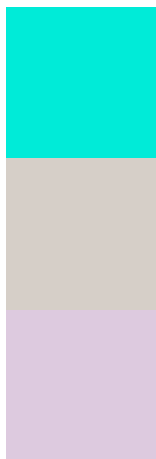


This preview shows how white text looks on a background with the XYZ color 42.1030, 64.3745,

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

42.1030, 64.3745, 75.1722

Protanopia

60.4697, 63.0919, 63.6344

Deuteranopia

64.2586, 62.9409, 78.5741



Tritanopia

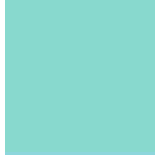
47.0830, 64.3030, 99.5527

Trichromacy



Original Color

42.1030, 64.3745, 75.1722



Protanomaly

46.1068, 59.3162, 67.4116



Deuteranomaly

47.9493, 58.9232, 76.5563



Tritanomaly

44.8702, 64.2027, 90.1482

Monochromacy



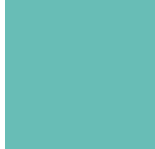
Original Color

42.1030, 64.3745, 75.1722



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.3500, 42.7156, 50.7959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1030, 64.3745, 75.1722 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 216) }
```

Border

The CSS property to change the border of an element to XYZ 42.1030, 64.3745, 75.1722 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, 216) }
```


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

```
.border{ border-color:rgb(0, 235, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1030, 64.3745, 75.1722 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, 216) }
```

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

```
.background{ background-color: rgb(0, 235,  
216) }
```

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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