

Converting Colors

XYZ(21.0528, 54.7999, 71.7225)

Have a look what the booklet for
XYZ(21.0528, 54.7999, 71.7225)
contains.

XYZ(42.4582, 65.9025, 72.7700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4582, 65.9025,
72.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	00EED4
RGB	0, 238, 212
RGB Percent	0%, 93%, 83%
CMY	0.9998, 0.0667, 0.1686
CMYK	1.00, 0.00, 0.11, 0.07
HSL	173°, 100%, 47%
HSV	173°, 100%, 93%
XYZ	42.4582, 65.9025, 72.7700
YIQ	163.8740, -133.5020, -58.5420

Conversions

Conversions Part 2

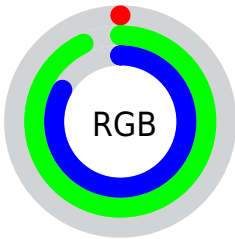
Format	Color
RYB	0, 126, 238
Decimal	61140
CIELab	84.95, -52.90, -0.82
CIELCh	85, 52.903, 180.883
Yxy	65.9025, 0.2344, 0.3638
Android (android.graphics.Color)	4278251220 (0xFF00EED4)
YUV	163.8740, 23.7261, -143.7175
Hunter-Lab	81.1804, -48.7082, 3.6787

Details

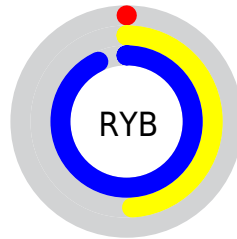
The XYZ color **42.4582, 65.9025, 72.7700** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **35.4487, 18.2537, 2.6354**, and the grayscale version is **35.1712, 37.0028, 40.2960**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.6954, 35.5164, 38.0069** is the 20% darker color. If you saturate the color by 10%, you get **42.4587, 65.9044, 72.7677**, and if you desaturate by 10%, it is **43.1635, 66.2294, 74.5311**.

Distribution



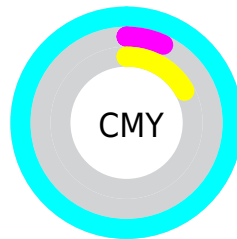
- Red (0%)
- Green (93%)
- Blue (83%)



- Red (0%)
- Yellow (49%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4582, 65.9025, 72.7700 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 42.4582, 65.9025, 72.7700 by changing the saturation by 10% instead.


 42.4582, 65.9025,
72.7700


 42.4582, 65.9025,
72.7700


347.3383,
446.0281, 489.2667


 29.6529, 48.1933,
53.2972


 78.1534, 113.3464,
124.8685


 19.7221, 33.9800,
37.6508

 101.7741,
143.8498, 158.3314


 12.3003, 22.8782,
25.4120


 129.7306,
179.3868, 197.2947

 7.0222, 14.5036,
16.1625

 162.3883,
220.3416, 242.1769

 3.5224, 8.4718,
9.4836

 200.1126,
267.0988, 293.3967

 1.4357, 4.3983,
4.9568

243.2688,

 0.2814, 1.8987,

320.0427, 351.3726

2.1637

292.2222,
379.5576, 416.5231

■ 0.0000, 0.5476,
0.6533

■ 0.0000, 0.0000,
0.0000

■ 42.4582, 65.9025,
72.7700

■ 42.4582, 65.9025,
72.7700

■ 42.4587, 65.9044,
72.7677

■ 43.1635, 66.2294,
74.5311

■ 44.3290, 66.7914,
76.3400

■ 46.0998, 67.6649,
78.2050

■ 48.5605, 68.8933,
80.1303

■ 51.7821, 70.5134,
82.1193

■ 55.8271, 72.5574,
84.1751

■ 60.7512, 75.0539,
86.3003

■ 66.6052, 78.0292,
88.4976

■ 73.4363, 81.5076,
90.7691

Harmonies

Analogous

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



44.7231, 65.9025, 44.3942



42.4582, 65.9025, 72.7700



45.0051, 65.9025, 110.8558

Triad

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



42.4582, 65.9025, 72.7700



75.1129, 65.9025, 143.8358



74.4265, 65.9025, 28.4282

Complementary

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



42.4582, 65.9025, 72.7700



35.4487, 18.2537, 2.6354

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.



84.3637, 65.9025, 43.1378



42.4582, 65.9025, 72.7700



84.7939, 65.9025, 108.5375

Square

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



42.4582, 65.9025, 72.7700



62.9912, 65.9025, 159.0817



88.3730, 65.9025, 70.7527



62.2868, 65.9025, 24.2008

Rectangle

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



42.4582, 65.9025, 72.7700



49.3012, 65.9025, 135.4380



88.3730, 65.9025, 70.7527



78.1869, 65.9025, 32.0205

Sweetspot

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



42.4601, 65.9050, 72.7716



70.9681, 87.7375, 100.8998



31.0497, 61.3955, 10.2155



14.6420, 18.5014, 21.3695



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.



42.4601, 65.9050, 72.7716



49.6438, 77.0735, 85.0311



25.8347, 26.9755, 84.7368



16.1686, 17.8975, 19.9108



23.7166, 36.7787, 40.7523



1.9941, 3.0681, 3.5013

Inverse Universe

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



35.4487, 18.2537, 2.6354



41.4480, 21.3432, 3.0252



39.0253, 25.7058, 2.9064



15.8430, 15.7869, 16.7295



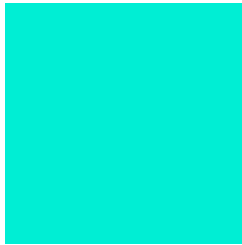
19.7983, 10.1917, 1.5885



1.6701, 0.8571, 0.2534

Previews

White Background



This preview shows how the XYZ color 42.4582, 65.9025, 72.7700 looks on a white background.

Color Contrast Check

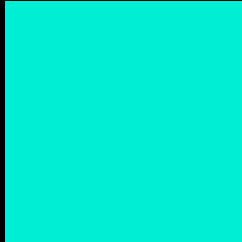
Large Text (above 18pt) WCAG AA × Fail

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 42.4582, 65.9025, 72.7700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

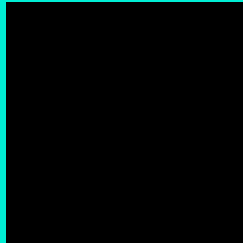
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4582, 65.9025, 72.7700

Background



This preview shows how black text looks on a background with the XYZ color 42.4582, 65.9025, 72.7700.

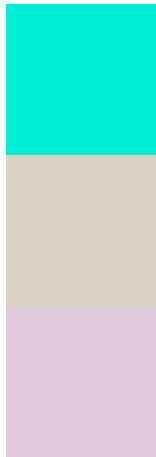


This preview shows how white text looks on a background with the XYZ color 42.4582, 65.9025,

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

42.4582, 65.9025, 72.7700

Protanopia

61.3795, 64.3382, 61.4080

Deuteranopia

65.7431, 64.4690, 75.9966



Tritanopia

48.2558, 65.7024, 101.4053

Trichromacy



Original Color

42.4582, 65.9025, 72.7700



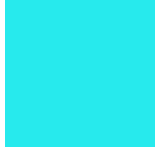
Protanomaly

46.7351, 60.8539, 65.1599



Deuteranomaly

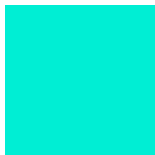
48.4521, 59.9989, 73.9930



Tritanomaly

45.5456, 65.3914, 90.3421

Monochromacy



Original Color

42.4582, 65.9025, 72.7700



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.6802, 43.5409, 50.3979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4582, 65.9025, 72.7700 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, 238, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 212)  
}
```

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, 238, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.4582, 65.9025, 72.7700 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, 238, 212) }
```


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

```
.border{ border-color:rgb(0, 238, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4582, 65.9025, 72.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 212) }
```

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

```
.background{ background-color: rgb(0, 238,  
212) }
```

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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