

Converting Colors

XYZ(37.7682, 56.4491, 91.8879)

Have a look what the booklet for
XYZ(37.7682, 56.4491, 91.8879)
contains.

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Color

**XYZ(41.9985, 58.5934,
92.3152)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00DEF1 |
| RGB | 0, 222, 241 |
| RGB Percent | 0%, 87%, 95% |
| CMY | 0.9997, 0.1294, 0.0549 |
| CMYK | 1.00, 0.08, 0.00, 0.05 |
| HSL | 185°, 100%, 47% |
| HSV | 185°, 100%, 95% |
| XYZ | 41.9985, 58.5934, 92.3152 |
| YIQ | 157.7880, -138.4110, -41.1550 |

Conversions

Conversions Part 2

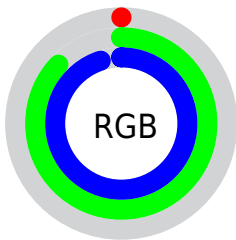
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 116, 241 |
| Decimal | 57073 |
| CIELab | 81.07, -37.56, -21.94 |
| CIELCh | 81, 43.497, 210.284 |
| Yxy | 58.5934, 0.2177, 0.3037 |
| Android (android.graphics.Color) | 4278247153 (0xFF00DEF1) |
| YUV | 157.7880, 41.0235, -138.3801 |
| Hunter-Lab | 76.5463, -36.0189, -17.9216 |

Details

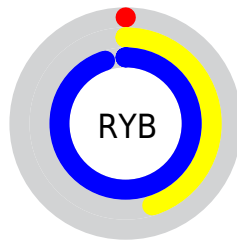
The XYZ color **41.9985, 58.5934, 92.3152** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.5106, 19.1693, 1.7778**, and the grayscale version is **32.2789, 33.9599, 36.9823**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.3932, 30.7752, 50.6589** is the 20% darker color. If you saturate the color by 10%, you get **41.9979, 58.5920, 92.3161**, and if you desaturate by 10%, it is **42.8879, 59.8066, 92.5036**.

Distribution



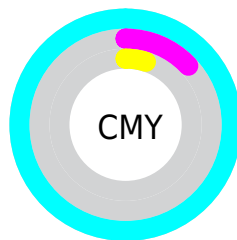
- Red (0%)
- Green (87%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9985, 58.5934, 92.3152 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 41.9985, 58.5934, 92.3152 by changing the saturation by 10% instead.


 41.9985, 58.5934,
92.3152


 41.9985, 58.5934,
92.3152


345.4685,
419.3935, 556.2969


 29.2912, 42.2859,
69.3180


 77.4625, 102.7865,
152.5137


 19.4466, 29.3252,
50.4973


 100.9500,
131.4408, 190.5520

 12.0994, 19.3270,
35.4348


 128.7616,
164.9796, 234.4410

 6.8841, 11.9068,
23.7118

 161.2626,
203.7872, 284.5994

 3.4354, 6.6802,
14.9097

 198.8184,
248.2480, 341.4457

 1.3880, 3.2629,
8.6101

241.7945,

 0.2476, 1.2705,

298.7464, 405.3983

4.3944

290.5560,
355.6667, 476.8759

■ 0.0000, 0.1182,
1.8441

■ 0.0000, 0.0000,
0.4568

■ 41.9985, 58.5934,
92.3152

■ 41.9985, 58.5934,
92.3152

■ 41.9979, 58.5920,
92.3161

■ 42.8879, 59.8066,
92.5036

■ 44.2523, 61.2720,
92.7146

■ 46.2399, 63.0672,
92.9563

■ 48.9381, 65.2373,
93.2330

■ 52.4204, 67.8201,
93.5480

■ 56.7508, 70.8488,
93.9043

■ 61.9871, 74.3529,
94.3047

■ 68.1815, 78.3598,
94.7516

■ 75.3827, 82.8942,
95.2473

Harmonies

Analogous

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



40.0653, 58.5934, 64.0452



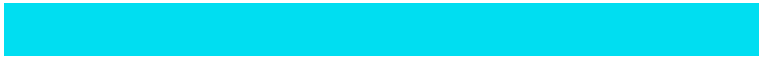
41.9985, 58.5934, 92.3152



47.5174, 58.5934, 117.4866

Triad

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



41.9985, 58.5934, 92.3152



72.1794, 58.5934, 91.7698



55.6052, 58.5934, 25.8629

Complementary

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



41.9985, 58.5934, 92.3152



36.5106, 19.1693, 1.7778

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.



64.7526, 58.5934, 29.6138



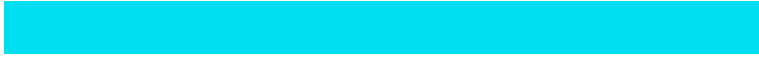
41.9985, 58.5934, 92.3152



74.9286, 58.5934, 63.5520

Square

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



41.9985, 58.5934, 92.3152



64.9176, 58.5934, 117.1165



72.0771, 58.5934, 41.8570



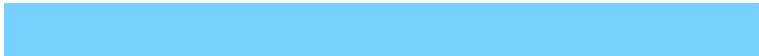
47.3833, 58.5934, 29.7619

Rectangle

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



41.9985, 58.5934, 92.3152



52.8111, 58.5934, 126.4622



72.0771, 58.5934, 41.8570



58.6743, 58.5934, 26.2554

Sweetspot

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



42.0004, 58.5955, 92.3166



70.3907, 84.4755, 107.2032



31.5512, 62.9497, 10.9831



14.5011, 17.7067, 22.9034



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.



42.0004, 58.5955, 92.3166



47.7274, 66.5748, 104.9425



20.8766, 16.3480, 85.2754



16.1345, 17.7031, 20.2883



22.8205, 31.8653, 50.0757



1.9298, 2.7137, 4.1763

Inverse Universe

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



49.4621, 23.9767, 71.1303



56.2198, 27.2519, 80.8124



45.1653, 36.4787, 4.6627



16.3973, 16.0086, 19.6486



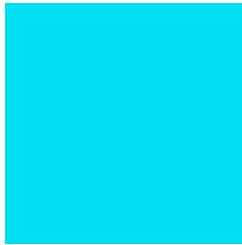
26.8444, 13.0102, 38.6926



2.2490, 1.0887, 3.3023

Previews

White Background



This preview shows how the XYZ color 41.9985, 58.5934, 92.3152 looks on a white background.

Color Contrast Check

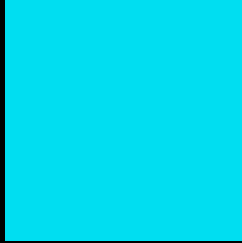
Large Text (above 18pt) WCAG AA × Fail

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 41.9985, 58.5934, 92.3152 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

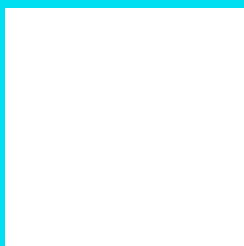
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9985, 58.5934, 92.3152

Background



This preview shows how black text looks on a background with the XYZ color 41.9985, 58.5934, 92.3152.



This preview shows how white text looks on a background with the XYZ color 41.9985, 58.5934,

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

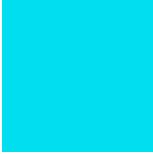
41.9985, 58.5934, 92.3152

Protanopia

56.5496, 57.5602, 79.3639

Deuteranopia

59.0341, 57.7974, 96.0403



Tritanopia

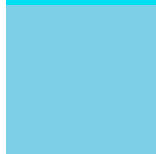
41.8495, 58.5338, 91.5305

Trichromacy



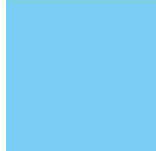
Original Color

41.9985, 58.5934, 92.3152



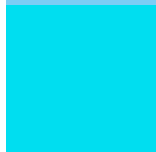
Protanomaly

45.1941, 54.7551, 83.7881



Deuteranomaly

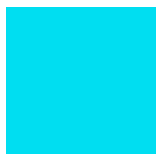
46.6249, 54.5403, 94.4561



Tritanomaly

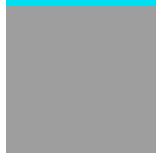
41.8495, 58.5338, 91.5305

Monochromacy



Original Color

41.9985, 58.5934, 92.3152



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.9678, 39.4453, 53.5585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9985, 58.5934, 92.3152 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, 222, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 241)  
}
```

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, 222, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 241) }
```

Border

The CSS property to change the border of an element to XYZ 41.9985, 58.5934, 92.3152 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, 222, 241) }
```


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

```
.border{ border-color:rgb(0, 222, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9985, 58.5934, 92.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 241) }
```

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

```
.background{ background-color: rgb(0, 222,  
241) }
```

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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