

# Converting Colors

XYZ(34.8355, 54.7575, 91.9593)

Have a look what the booklet for  
XYZ(34.8355, 54.7575, 91.9593)  
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

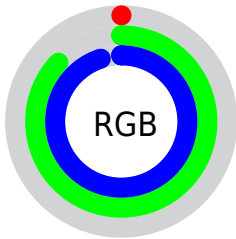
Format	Color
<a href="#">RYB</a>	0, 116, 241
Decimal	57073
CIELab	81.07, -37.56, -21.94
CIELCh	81, 43.497, 210.284
Yxy	58.5934, 0.2177, 0.3037
Android (android.graphics.Color)	4278247153 (0xFF00DEF1)
YUV	157.7880, 41.0235, -138.3801
Hunter-Lab	76.5463, -36.0189, -17.9216

# 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



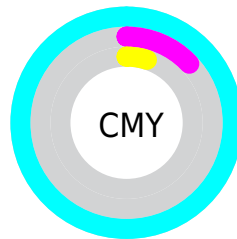
- Red (0%)
- Green (87%)
- Blue (95%)



- 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



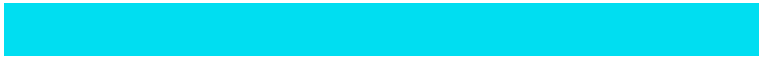
41.9985, 58.5934, 92.3152



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



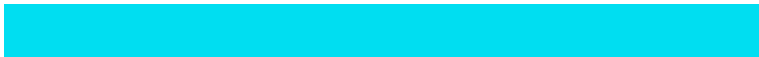
36.5106, 19.1693, 1.7778

# 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



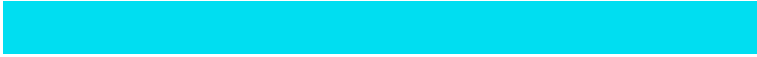
41.9985, 58.5934, 92.3152



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

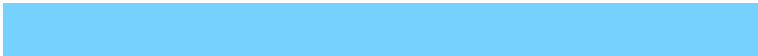


# Rectangle

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



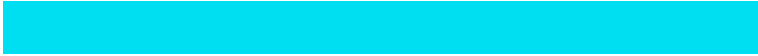
72.0771, 58.5934, 41.8570



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

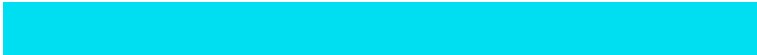


20.3446, 21.4041, 23.3091



# 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

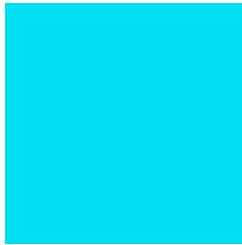


2.2490, 1.0887, 3.3023



# 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

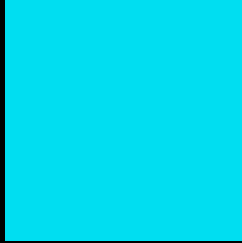
Any Text WCAG AA × Fail

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

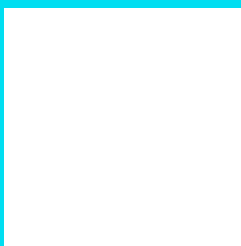
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**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.



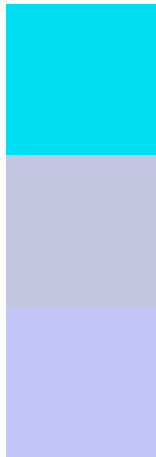
This preview shows how white text looks on a background with the XYZ color 41.9985, 58.5934,



# 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

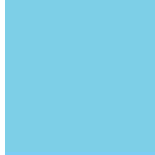
41.8495, 58.5338, 91.5305

# Trichromacy



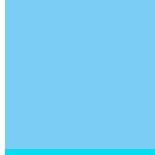
## Original Color

41.9985, 58.5934, 92.3152



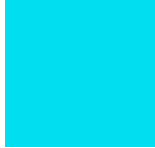
## Protanomaly

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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