

Converting Colors

XYZ(37.9788, 65.6510, 44.3977)

Have a look what the booklet for
XYZ(37.9788, 65.6510, 44.3977)
contains.

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Color

**XYZ(37.9008, 65.4903,
44.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	01F1A1
RGB	1, 241, 161
RGB Percent	0%, 95%, 63%
CMY	0.9960, 0.0549, 0.3686
CMYK	1.00, 0.00, 0.33, 0.05
HSL	160°, 99%, 47%
HSV	160°, 100%, 95%
XYZ	37.9008, 65.4903, 44.3615
YIQ	160.1200, -117.3600, -75.7600

Conversions

Conversions Part 2

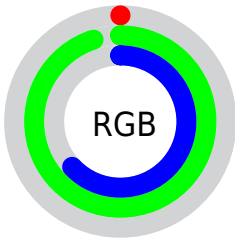
Format	Color
R_{YB}	1, 145, 241
Decimal	127393
CIE Lab	84.74, -66.18, 25.42
CIE LCh	85, 70.896, 158.993
Yxy	65.4903, 0.2565, 0.4432
Android (android.graphics.Color)	4278317473 (0xFF01F1A1)
YUV	160.1200, 0.4338, -139.5482
Hunter-Lab	80.9261, -58.0222, 24.1471

Details

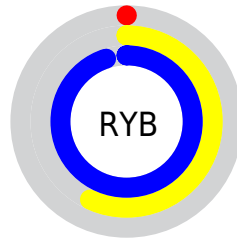
The XYZ color **37.9008, 65.4903, 44.3615** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **37.7742, 19.3181, 9.5270**, and the grayscale version is **33.5096, 35.2547, 38.3924**.

A 20% lighter version of the original color is **54.8368, 79.9226, 77.5022**, and **19.6938, 34.9711, 20.1801** is the 20% darker color. If you saturate the color by 10%, you get **37.8597, 65.4743, 44.2045**, and if you desaturate by 10%, it is **39.0253, 65.9872, 48.2341**.

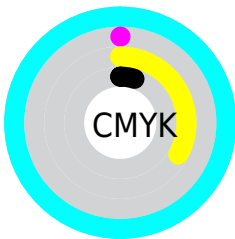
Distribution



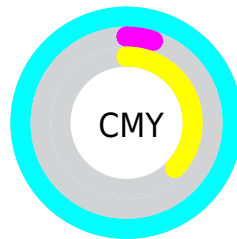
- Red (0%)
- Green (95%)
- Blue (63%)



- Red (0%)
- Yellow (57%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9008, 65.4903, 44.3615 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 37.9008, 65.4903, 44.3615 by changing the saturation by 10% instead.


 37.9008, 65.4903,
44.3615


 37.9008, 65.4903,
44.3615


328.4825,
444.5518, 380.2659


 26.0826, 47.8588,
30.6155


 71.2609, 112.7545,
83.0697


 17.0184, 33.7150,
20.0503


 93.5336, 143.1559,
108.8690


 10.3430, 22.6748,
12.2471

 120.0217,
178.5827, 139.5232

 5.6910, 14.3536,
6.7876

 151.0907,
219.4193, 175.4508

 2.6970, 8.3670,
3.2532

 187.1059,
266.0502, 217.0703

 0.9956, 4.3307,
1.2253

228.4327,

 0.0000, 1.8602,

318.8596, 264.8003

0.0000

275.4364,
378.2320, 319.0593

■ 0.0000, 0.5243,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9008, 65.4903,
44.3615

■ 37.9008, 65.4903,
44.3615

■ 37.8597, 65.4743,
44.2045

■ 39.0253, 65.9872,
48.2341

■ 40.6767, 66.7487,
52.3719

■ 42.9967, 67.8493,
56.7872

■ 46.0726, 69.3342,
61.4881

■ 49.9782, 71.2411,
66.4822

■ 54.7781, 73.6033,
71.7762

■ 60.5304, 76.4507,
77.3769

■ 67.2880, 79.8105,
83.2903

■ 75.0999, 83.7078,
89.5225

Harmonies

Analogous

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



44.9648, 65.4903, 22.6937



37.9008, 65.4903, 44.3615



36.7266, 65.4903, 85.8469

Triad

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



37.9008, 65.4903, 44.3615



67.1353, 65.4903, 197.0038



89.0790, 65.4903, 29.2666

Complementary

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



37.9008, 65.4903, 44.3615



37.7742, 19.3181, 9.5270

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.



97.4801, 65.4903, 58.5105



37.9008, 65.4903, 44.3615



83.4705, 65.4903, 162.9859

Square

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



37.9008, 65.4903, 44.3615



51.9436, 65.4903, 187.8362



95.2696, 65.4903, 107.4154



73.8291, 65.4903, 16.9072

Rectangle

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



37.9008, 65.4903, 44.3615



39.2047, 65.4903, 122.5597



95.2696, 65.4903, 107.4154



92.9061, 65.4903, 36.8043

Sweetspot

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



37.9025, 65.4929, 44.3630



68.4475, 86.7292, 87.6264



35.2098, 64.8473, 10.6904



14.0348, 18.2585, 18.1718



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.



37.9025, 65.4929, 44.3630



43.0149, 74.4220, 50.1240



37.7235, 50.0235, 90.8896



16.0103, 17.8341, 19.0772



20.5949, 35.5300, 24.3132



1.7592, 2.9741, 2.2646

Inverse Universe

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



37.7742, 19.3181, 9.5270



42.8800, 21.9160, 10.5662



36.9448, 20.0280, 1.9479



15.9901, 15.8458, 17.5043



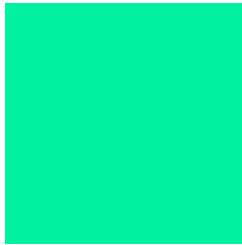
20.5193, 10.4802, 5.3854



1.7515, 0.8896, 0.6822

Previews

White Background



This preview shows how the XYZ color 37.9008, 65.4903, 44.3615 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 37.9008, 65.4903, 44.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

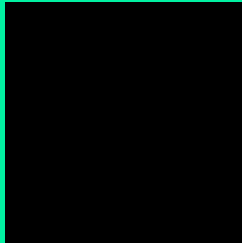
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9008, 65.4903, 44.3615

Background



This preview shows how black text looks on a background with the XYZ color 37.9008, 65.4903, 44.3615.

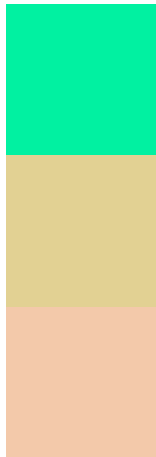


This preview shows how white text looks on a background with the XYZ color 37.9008, 65.4903,

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

37.9008, 65.4903, 44.3615

Protanopia

59.4310, 63.8763, 36.8008

Deuteranopia

65.1045, 63.7303, 46.9000



Tritanopia

48.9630, 65.2722, 99.6407

Trichromacy



Original Color

37.9008, 65.4903, 44.3615



Protanomaly

43.0255, 59.9092, 39.0017



Deuteranomaly

45.0485, 58.8703, 45.5480



Tritanomaly

43.4154, 64.6123, 75.8288

Monochromacy



Original Color

37.9008, 65.4903, 44.3615



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0222, 41.7580, 39.7355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9008, 65.4903, 44.3615 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(1, 241, 161)` looks like.

```
.text, #text, p{  
    color:rgb(1, 241, 161)  
}
```

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(1, 241, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 241, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.9008, 65.4903, 44.3615 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(1, 241, 161) }
```


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

```
.border{ border-color:rgb(1, 241, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 241, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 241, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 241, 161);  
box-shadow:4px 4px 4px 4px rgb(1, 241,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9008, 65.4903, 44.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 241, 161) }
```

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

```
.background{ background-color: rgb(1, 241,  
161) }
```

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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