

Converting Colors

XYZ(24.3405, 58.5635, 40.5369)

Have a look what the booklet for
XYZ(24.3405, 58.5635, 40.5369)
contains.

XYZ(37.2880, 65.2437, 41.1999)	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(37.2880, 65.2437,
41.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	00F19A
RGB	0, 241, 154
RGB Percent	0%, 95%, 60%
CMY	0.9999, 0.0549, 0.3961
CMYK	1.00, 0.00, 0.36, 0.05
HSL	158°, 100%, 47%
HSV	158°, 100%, 95%
XYZ	37.2880, 65.2437, 41.1999
YIQ	159.0230, -115.7090, -78.1490

Conversions

Conversions Part 2

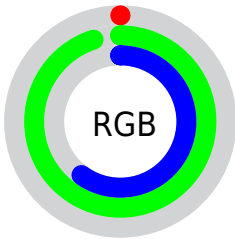
Format	Color
RYB	0, 147, 241
Decimal	61850
CIELab	84.61, -67.63, 28.81
CIELCh	85, 73.512, 156.930
Yxy	65.2437, 0.2594, 0.4539
Android (android.graphics.Color)	4278251930 (0xFF00F19A)
YUV	159.0230, -2.4763, -139.4632
Hunter-Lab	80.7736, -58.9517, 26.2997

Details

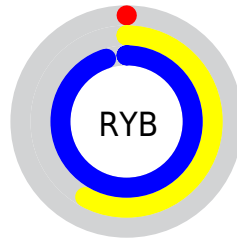
The XYZ color **37.2880, 65.2437, 41.1999** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **37.9984, 19.3904, 10.7614**, and the grayscale version is **33.0176, 34.7371, 37.8287**.

A 20% lighter version of the original color is **53.9507, 79.5682, 72.8363**, and **19.3318, 34.8263, 18.2736** is the 20% darker color. If you saturate the color by 10%, you get **37.2888, 65.2459, 41.1982**, and if you desaturate by 10%, it is **38.4204, 65.7424, 45.1758**.

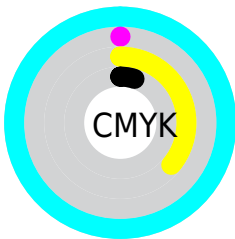
Distribution



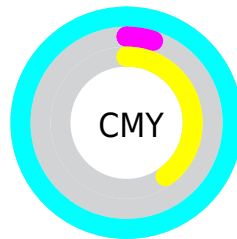
- Red (0%)
- Green (95%)
- Blue (60%)



- Red (0%)
- Yellow (58%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2880, 65.2437, 41.1999 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 37.2880, 65.2437, 41.1999 by changing the saturation by 10% instead.


 37.2880, 65.2437,
41.1999


 37.2880, 65.2437,
41.1999


325.8896,
443.6672, 366.8568


 25.6053, 47.6587,
28.1544


 70.3265, 112.4002,
78.2442

 16.6597, 33.5567,
18.2021

 92.4129, 142.7404,
103.0802


 10.0860, 22.5533,
10.9242


 118.6979,
178.1012, 132.6833

 5.5187, 14.2640,
5.9024

 149.5469,
218.8669, 167.4723

 2.5925, 8.3045,
2.7180

 185.3252,
265.4220, 207.8656

 0.9422, 4.2904,
0.9525

226.3982,

 0.0000, 1.8373,

318.1508, 254.2817

0.0000

273.1312,
377.4378, 307.1393

■ 0.0000, 0.5103,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2880, 65.2437,
41.1999

■ 37.2880, 65.2437,
41.1999

■ 37.2888, 65.2459,
41.1982

■ 38.4204, 65.7424,
45.1758

■ 40.0752, 66.5025,
49.4545

■ 42.4019, 67.6027,
54.0500

■ 45.4891, 69.0884,
58.9717

■ 49.4111, 70.9980,
64.2281

■ 54.2330, 73.3648,
69.8274

■ 60.0133, 76.2190,
75.7772

■ 66.8054, 79.5879,
82.0847

■ 74.6587, 83.4969,
88.7569

Harmonies

Analogous

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



44.9286, 65.2437, 20.5385



37.2880, 65.2437, 41.1999



35.6791, 65.2437, 82.5030

Triad

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



37.2880, 65.2437, 41.1999



65.8955, 65.2437, 203.7032



90.7914, 65.2437, 29.4185

Complementary

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



37.2880, 65.2437, 41.1999



37.9984, 19.3904, 10.7614

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.



98.8812, 65.2437, 60.6899



37.2880, 65.2437, 41.1999



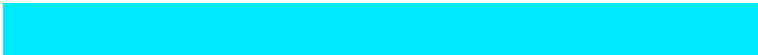
82.9555, 65.2437, 170.4552

Square

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



37.2880, 65.2437, 41.1999



50.4572, 65.2437, 190.7413



95.7863, 65.2437, 112.6332



75.2088, 65.2437, 16.1329

Rectangle

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



37.2880, 65.2437, 41.1999



37.9311, 65.2437, 120.2968



95.7863, 65.2437, 112.6332



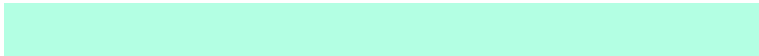
94.5918, 65.2437, 37.4836

Sweetspot

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



37.2897, 65.2463, 41.2014



68.1529, 86.6114, 86.0751



35.5173, 65.0064, 10.6761



13.9644, 18.2303, 17.8012



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.



37.2897, 65.2463, 41.2014



42.3653, 74.1621, 46.7033



38.6473, 51.8898, 91.2011



15.9911, 17.8265, 18.9760



20.2870, 35.4068, 22.6921



1.7351, 2.9645, 2.1376

Inverse Universe

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



37.9984, 19.3904, 10.7614



43.1745, 22.0338, 12.1167



36.7977, 19.7427, 1.8718



16.0086, 15.8532, 17.6015



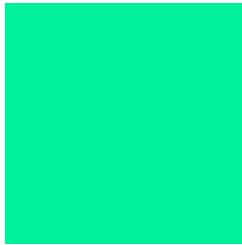
20.6632, 10.5377, 6.1432



1.7650, 0.8951, 0.7535

Previews

White Background



This preview shows how the XYZ color 37.2880, 65.2437, 41.1999 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 37.2880, 65.2437, 41.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

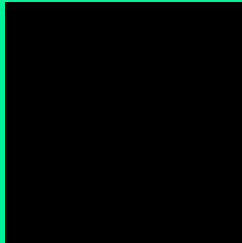
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2880, 65.2437, 41.1999

Background



This preview shows how black text looks on a background with the XYZ color 37.2880, 65.2437, 41.1999.

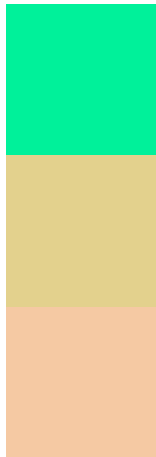


This preview shows how white text looks on a background with the XYZ color 37.2880, 65.2437,

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

37.2880, 65.2437, 41.1999

Protanopia

59.2867, 63.8549, 34.3998

Deuteranopia

65.1537, 63.8301, 43.5368



Tritanopia

48.9864, 65.3022, 98.8297

Trichromacy



Original Color

37.2880, 65.2437, 41.1999



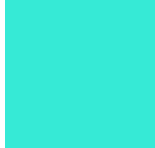
Protanomaly

42.5464, 59.7175, 36.4783



Deuteranomaly

44.6113, 58.7177, 42.2401



Tritanomaly

43.0817, 64.4849, 73.7945

Monochromacy



Original Color

37.2880, 65.2437, 41.1999



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.6502, 41.5962, 38.3644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2880, 65.2437, 41.1999 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, 241, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 154)  
}
```

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, 241, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.2880, 65.2437, 41.1999 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, 241, 154) }
```


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

```
.border{ border-color:rgb(0, 241, 154) }
```

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

Here you see how a box with a 4 pixel rgb(0, 241, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2880, 65.2437, 41.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 154) }
```

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

```
.background{ background-color: rgb(0, 241,  
154) }
```

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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