

Converting Colors

XYZ(22.2412, 56.9711, 43.5547)

Have a look what the booklet for
XYZ(22.2412, 56.9711, 43.5547)
contains.

XYZ(37.5931, 64.8934, 44.2625)	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(37.5931, 64.8934,
44.2625)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0A1
RGB	0, 240, 161
RGB Percent	0%, 94%, 63%
CMY	0.9999, 0.0588, 0.3686
CMYK	1.00, 0.00, 0.33, 0.06
HSL	160°, 100%, 47%
HSV	160°, 100%, 94%
XYZ	37.5931, 64.8934, 44.2625
YIQ	159.2340, -117.6810, -75.4490

Conversions

Conversions Part 2

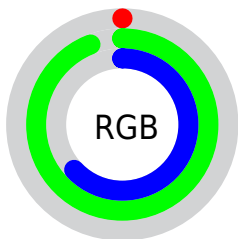
Format	Color
RYB	0, 144, 240
Decimal	61601
CIELab	84.43, -65.86, 25.00
CIELCh	84, 70.444, 159.216
Yxy	64.8934, 0.2562, 0.4422
Android (android.graphics.Color)	4278251681 (0xFF00F0A1)
YUV	159.2340, 0.8706, -139.6482
Hunter-Lab	80.5564, -57.6736, 23.8121

Details

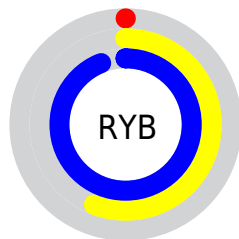
The XYZ color **37.5931, 64.8934, 44.2625** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **37.3491, 19.0914, 9.1189**, and the grayscale version is **33.1008, 34.8247, 37.9241**.

A 20% lighter version of the original color is **54.8368, 79.9226, 77.5022**, and **19.4883, 34.5600, 20.1116** is the 20% darker color. If you saturate the color by 10%, you get **37.5937, 64.8955, 44.2600**, and if you desaturate by 10%, it is **38.6909, 65.3780, 48.0685**.

Distribution



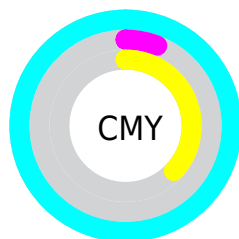
- Red (0%)
- Green (94%)
- Blue (63%)



- Red (0%)
- Yellow (56%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5931, 64.8934, 44.2625 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 37.5931, 64.8934, 44.2625 by changing the saturation by 10% instead.


 37.5931, 64.8934,
44.2625


 37.5931, 64.8934,
44.2625


327.1824,
442.4088, 379.8511


 25.8428, 47.3746,
30.5382


 70.7920, 111.8966,
82.9193


 16.8381, 33.3319,
19.9920


 92.9713, 142.1498,
108.6889


 10.2137, 22.3808,
12.2052

 119.3576,
177.4166, 139.3106

 5.6043, 14.1370,
6.7593

 150.3163,
218.0815, 175.2031

 2.6443, 8.2160,
3.2359

 186.2128,
264.5287, 216.7848

 0.9686, 4.2335,
1.2163

227.4124,

 0.0000, 1.8050,

317.1428, 264.4744

0.0000

274.2805,
376.3080, 318.6903

■ 0.0000, 0.4903,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5931, 64.8934,
44.2625

■ 37.5931, 64.8934,
44.2625

■ 37.5937, 64.8955,
44.2600

■ 38.6909, 65.3780,
48.0685

■ 40.2978, 66.1181,
52.1309

■ 42.5616, 67.1916,
56.4621

■ 45.5698, 68.6435,
61.0699

■ 49.3956, 70.5115,
65.9617

■ 54.1033, 72.8285,
71.1441

■ 59.7505, 75.6244,
76.6235

■ 66.3899, 78.9260,
82.4059

■ 74.0702, 82.7584,
88.4970

Harmonies

Analogous

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



44.5328, 64.8934, 22.6913



37.5931, 64.8934, 44.2625



36.4752, 64.8934, 85.3895

Triad

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



37.5931, 64.8934, 44.2625



66.6288, 64.8934, 194.5410



88.0734, 64.8934, 28.9564

Complementary

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



37.5931, 64.8934, 44.2625



37.3491, 19.0914, 9.1189

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.



96.4320, 64.8934, 57.7262



37.5931, 64.8934, 44.2625



82.7432, 64.8934, 160.7429

Square

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



37.5931, 64.8934, 44.2625



51.5996, 64.8934, 185.8375



94.3316, 64.8934, 105.8881



72.9928, 64.8934, 16.8108

Rectangle

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



37.5931, 64.8934, 44.2625



38.9544, 64.8934, 121.6630



94.3316, 64.8934, 105.8881



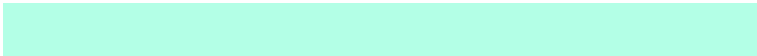
91.8693, 64.8934, 36.3702

Sweetspot

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



37.5948, 64.8960, 44.2640



68.4921, 86.7471, 87.8614



34.4712, 64.0288, 10.5427



14.0455, 18.2627, 18.2280



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

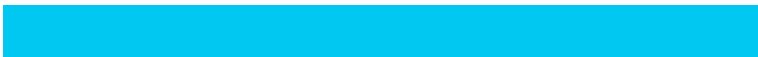
The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5948, 64.8960, 44.2640



43.1158, 74.4623, 50.6549



36.3851, 47.6037, 89.7119



16.0132, 17.8353, 19.0925



20.6426, 35.5491, 24.5645



1.7630, 2.9756, 2.2842

Inverse Universe

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



37.3491, 19.0914, 9.1189



42.8382, 21.8993, 10.3458



36.6962, 20.0451, 1.9357



15.9874, 15.8447, 17.4897



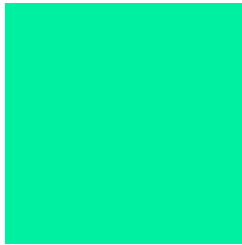
20.4988, 10.4720, 5.2773



1.7495, 0.8889, 0.6719

Previews

White Background



This preview shows how the XYZ color 37.5931, 64.8934, 44.2625 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 37.5931, 64.8934, 44.2625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

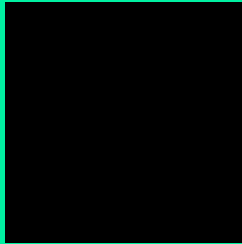
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5931, 64.8934, 44.2625

Background



This preview shows how black text looks on a background with the XYZ color 37.5931, 64.8934, 44.2625.

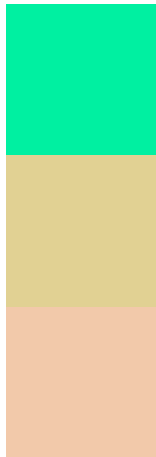


This preview shows how white text looks on a background with the XYZ color 37.5931, 64.8934,

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

37.5931, 64.8934, 44.2625

Protanopia

59.1183, 63.7151, 36.7861

Deuteranopia

64.7603, 63.5528, 46.8839



Tritanopia

48.5299, 64.6549, 98.7288

Trichromacy



Original Color

37.5931, 64.8934, 44.2625



Protanomaly

42.5884, 59.2930, 38.9058



Deuteranomaly

44.6019, 58.2609, 45.4539



Tritanomaly

43.0018, 63.9926, 75.0511

Monochromacy



Original Color

37.5931, 64.8934, 44.2625



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.6952, 41.2712, 39.6587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5931, 64.8934, 44.2625 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, 240, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 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(0, 240, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.5931, 64.8934, 44.2625 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, 240, 161) }
```


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

```
.border{ border-color:rgb(0, 240, 161) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5931, 64.8934, 44.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 161) }
```

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

```
.background{ background-color: rgb(0, 240,  
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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