

Converting Colors

XYZ(37.6194, 64.7829, 44.7738)

Have a look what the booklet for
XYZ(37.6194, 64.7829, 44.7738)
contains.

XYZ(37.6817, 64.9288, 44.7289)	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(37.6817, 64.9288,
44.7289)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0A2
RGB	0, 240, 162
RGB Percent	0%, 94%, 64%
CMY	0.9999, 0.0588, 0.3647
CMYK	1.00, 0.00, 0.33, 0.06
HSL	160°, 100%, 47%
HSV	160°, 100%, 94%
XYZ	37.6817, 64.9288, 44.7289
YIQ	159.3480, -118.0020, -75.1380

Conversions

Conversions Part 2

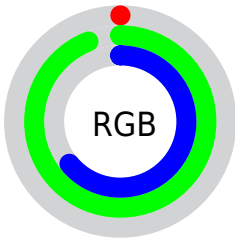
Format	Color
RYB	0, 143, 240
Decimal	61602
CIELab	84.45, -65.65, 24.51
CIELCh	84, 70.076, 159.528
Yxy	64.9288, 0.2557, 0.4407
Android (android.graphics.Color)	4278251682 (0xFF00F0A2)
YUV	159.3480, 1.3074, -139.7482
Hunter-Lab	80.5784, -57.5384, 23.4931

Details

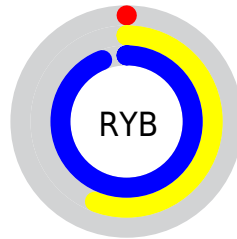
The XYZ color **37.6817, 64.9288, 44.7289** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **37.3131, 19.0771, 8.9294**, and the grayscale version is **33.1519, 34.8784, 37.9826**.

A 20% lighter version of the original color is **54.9665, 79.9745, 78.1852**, and **19.5424, 34.5817, 20.3968** is the 20% darker color. If you saturate the color by 10%, you get **37.6821, 64.9308, 44.7257**, and if you desaturate by 10%, it is **38.7758, 65.4119, 48.5149**.

Distribution



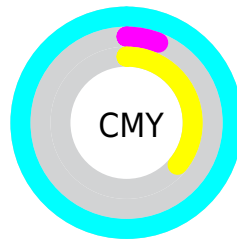
- Red (0%)
- Green (94%)
- Blue (64%)



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



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




- Cyan (100%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6817, 64.9288, 44.7289 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 37.6817, 64.9288, 44.7289 by changing the saturation by 10% instead.


 37.6817, 64.9288,
44.7289


 37.6817, 64.9288,
44.7289


327.5571,
442.5361, 381.8025

 25.9118, 47.4033,
30.9026


 70.9271, 111.9475,
83.6276


 16.8900, 33.3546,
20.2668


 93.1332, 142.2095,
109.5370


 10.2509, 22.3983,
12.4031


 119.5489,
177.4859, 140.3112

 5.6292, 14.1498,
6.8930

 150.5395,
218.1609, 176.3687

 2.6594, 8.2249,
3.3178

 186.4702,
264.6191, 218.1280

 0.9763, 4.2392,
1.2591

227.7065,

 0.0000, 1.8083,

317.2447, 266.0077

0.0279

274.6136,
376.4222, 320.4264

■ 0.0000, 0.4923,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6817, 64.9288,
44.7289

■ 37.6817, 64.9288,
44.7289

■ 37.6821, 64.9308,
44.7257

■ 38.7758, 65.4119,
48.5149

■ 40.3779, 66.1501,
52.5518

■ 42.6360, 67.2213,
56.8517

■ 45.6373, 68.6705,
61.4226

■ 49.4551, 70.5353,
66.2715

■ 54.1536, 72.8487,
71.4049

■ 59.7906, 75.6405,
76.8291

■ 66.4185, 78.9375,
82.5499

■ 74.0860, 82.7649,
88.5729

Harmonies

Analogous

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



44.5385, 64.9288, 23.0132



37.6817, 64.9288, 44.7289



36.6271, 64.9288, 85.8746

Triad

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



37.6817, 64.9288, 44.7289



66.8071, 64.9288, 193.5964



87.8309, 64.9288, 28.9357

Complementary

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



37.6817, 64.9288, 44.7289



37.3131, 19.0771, 8.9294

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.



96.2328, 64.9288, 57.4212



37.6817, 64.9288, 44.7289



82.8165, 64.9288, 159.6969

Square

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



37.6817, 64.9288, 44.7289



51.8146, 64.9288, 185.4227



94.2574, 64.9288, 105.1593



72.7977, 64.9288, 16.9243

Rectangle

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



37.6817, 64.9288, 44.7289



39.1392, 64.9288, 121.9872



94.2574, 64.9288, 105.1593



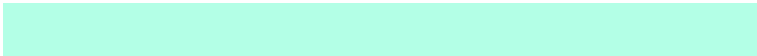
91.6303, 64.9288, 36.2750

Sweetspot

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



37.6834, 64.9314, 44.7304



68.5368, 86.7649, 88.0968



34.4715, 64.0289, 10.5429



14.0562, 18.2670, 18.2843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

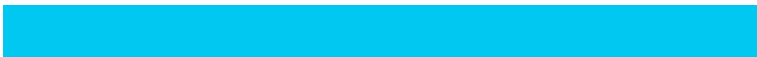
The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.6834, 64.9314, 44.7304



43.2174, 74.5029, 51.1899



36.3853, 47.6041, 89.7119



16.0161, 17.8365, 19.1077



20.6907, 35.5683, 24.8178



1.7667, 2.9771, 2.3039

Inverse Universe

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



37.3131, 19.0771, 8.9294



42.7969, 21.8828, 10.1287



36.6963, 20.0454, 1.9359



15.9846, 15.8435, 17.4751



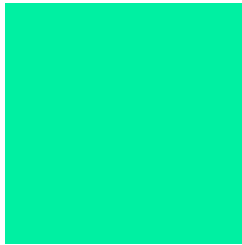
20.4786, 10.4639, 5.1708



1.7476, 0.8881, 0.6617

Previews

White Background



This preview shows how the XYZ color 37.6817, 64.9288, 44.7289 looks on a white background.

Color Contrast Check

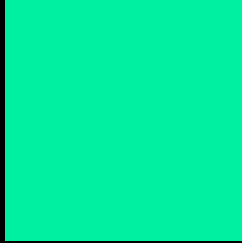
Large Text (above 18pt) WCAG AA × Fail

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 37.6817, 64.9288, 44.7289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

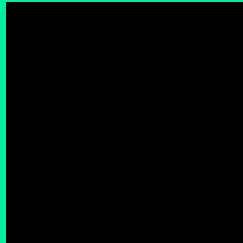
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

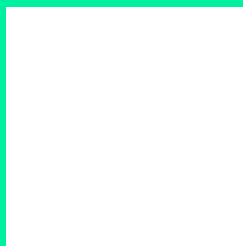
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6817, 64.9288, 44.7289

Background



This preview shows how black text looks on a background with the XYZ color 37.6817, 64.9288, 44.7289.

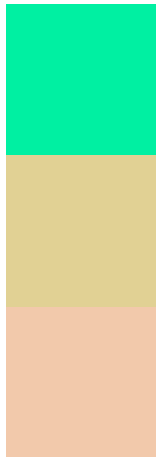


This preview shows how white text looks on a background with the XYZ color 37.6817, 64.9288,

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

37.6817, 64.9288, 44.7289

Protanopia

59.1971, 63.7466, 37.2013

Deuteranopia

64.8553, 63.5908, 47.3841



Tritanopia

48.4423, 64.6098, 98.7247

Trichromacy



Original Color

37.6817, 64.9288, 44.7289



Protanomaly

42.6707, 59.3259, 39.3391



Deuteranomaly

44.6947, 58.2981, 45.9428



Tritanomaly

43.0795, 64.0176, 75.7318

Monochromacy



Original Color

37.6817, 64.9288, 44.7289



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 37.6817, 64.9288, 44.7289 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 162) }
```

Border

The CSS property to change the border of an element to XYZ 37.6817, 64.9288, 44.7289 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, 162) }
```


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

```
.border{ border-color:rgb(0, 240, 162) }
```

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, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6817, 64.9288, 44.7289 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, 162) }
```

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

```
.background{ background-color: rgb(0, 240,  
162) }
```

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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