

Converting Colors

XYZ(37.0502, 64.5350, 41.8387)

Have a look what the booklet for
XYZ(37.0502, 64.5350, 41.8387)
contains.

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Color

**XYZ(37.1608, 64.7205,
41.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	00F09C
RGB	0, 240, 156
RGB Percent	0%, 94%, 61%
CMY	0.9999, 0.0588, 0.3882
CMYK	1.00, 0.00, 0.35, 0.06
HSL	159°, 100%, 47%
HSV	159°, 100%, 94%
XYZ	37.1608, 64.7205, 41.9862
YIQ	158.6640, -116.0760, -77.0040

Conversions

Conversions Part 2

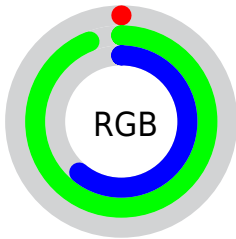
Format	Color
RYB	0, 145, 240
Decimal	61596
CIELab	84.34, -66.89, 27.43
CIELCh	84, 72.292, 157.704
Yxy	64.7205, 0.2583, 0.4499
Android (android.graphics.Color)	4278251676 (0xFF00F09C)
YUV	158.6640, -1.3134, -139.1483
Hunter-Lab	80.4491, -58.3336, 25.3710

Details

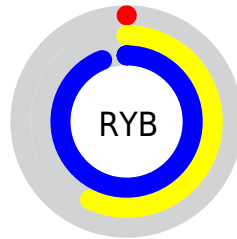
The XYZ color **37.1608, 64.7205, 41.9862** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **37.5379, 19.1669, 10.1131**, and the grayscale version is **32.8486, 34.5593, 37.6351**.

A 20% lighter version of the original color is **54.0734, 79.6027, 74.1429**, and **19.2266, 34.4554, 18.7339** is the 20% darker color. If you saturate the color by 10%, you get **37.1616, 64.7227, 41.9845**, and if you desaturate by 10%, it is **38.2758, 65.2119, 45.8830**.

Distribution



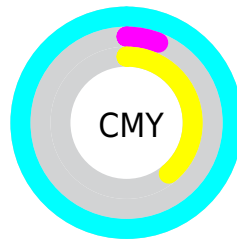
- Red (0%)
- Green (94%)
- Blue (61%)



- Red (0%)
- Yellow (57%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1608, 64.7205, 41.9862 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 37.1608, 64.7205, 41.9862 by changing the saturation by 10% instead.


 37.1608, 64.7205,
41.9862


 37.1608, 64.7205,
41.9862


325.3496,
441.7869, 370.2237


 25.5063, 47.2345,
28.7650


 70.1323, 111.6479,
79.4486


 16.5854, 33.2211,
18.6591


 92.1799, 141.8581,
104.5269


 10.0328, 22.2958,
11.2499


 118.4226,
177.0785, 134.3946

 5.4831, 14.0744,
6.1189

 149.2257,
217.6934, 169.4703

 2.5711, 8.1725,
2.8475

 184.9546,
264.0874, 210.1725

 0.9312, 4.2055,
1.0173

225.9747,

 0.0000, 1.7892,

316.6447, 256.9198

0.0000

272.6512,
375.7497, 310.1307

■ 0.0000, 0.4804,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1608, 64.7205,
41.9862

■ 37.1608, 64.7205,
41.9862

■ 37.1616, 64.7227,
41.9845

■ 38.2758, 65.2119,
45.8830

■ 39.9051, 65.9610,
50.0644

■ 42.1969, 67.0457,
54.5436

■ 45.2387, 68.5110,
59.3293

■ 49.1039, 70.3948,
64.4297

■ 53.8570, 72.7300,
69.8522

■ 59.5558, 75.5464,
75.6041

■ 66.2530, 78.8711,
81.6919

■ 73.9974, 82.7292,
88.1223

Harmonies

Analogous

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



44.5124, 64.7205, 21.1365



37.1608, 64.7205, 41.9862



35.7305, 64.7205, 82.9884

Triad

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



37.1608, 64.7205, 41.9862



65.7435, 64.7205, 199.2713



89.2899, 64.7205, 29.0725

Complementary

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



37.1608, 64.7205, 41.9862



37.5379, 19.1669, 10.1131

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.



97.4260, 64.7205, 59.2777



37.1608, 64.7205, 41.9862



82.3744, 64.7205, 166.0191

Square

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



37.1608, 64.7205, 41.9862



50.5385, 64.7205, 187.8826



94.6967, 64.7205, 109.5802



73.9756, 64.7205, 16.2616

Rectangle

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



37.1608, 64.7205, 41.9862



38.0468, 64.7205, 120.0361



94.6967, 64.7205, 109.5802



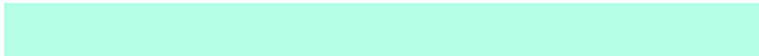
93.0662, 64.7205, 36.8610

Sweetspot

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



37.1625, 64.7231, 41.9877



68.2696, 86.6580, 86.6894



35.1873, 64.3980, 10.5761



13.9923, 18.2415, 17.9479



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.



37.1625, 64.7231, 41.9877



42.6193, 74.2637, 48.0406



38.2864, 51.4064, 90.3458



15.9987, 17.8295, 19.0162



20.4074, 35.4550, 23.3262



1.7446, 2.9683, 2.1874

Inverse Universe

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



37.5379, 19.1669, 10.1131



43.0540, 21.9856, 11.4825



36.4537, 19.5600, 1.8547



16.0013, 15.8502, 17.5628



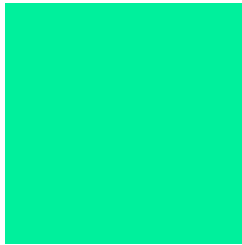
20.6045, 10.5142, 5.8337



1.7595, 0.8929, 0.7246

Previews

White Background



This preview shows how the XYZ color 37.1608, 64.7205, 41.9862 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 37.1608, 64.7205, 41.9862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

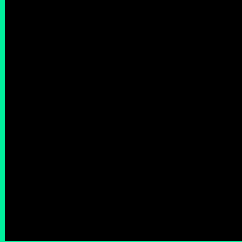
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1608, 64.7205, 41.9862

Background



This preview shows how black text looks on a background with the XYZ color 37.1608, 64.7205, 41.9862.

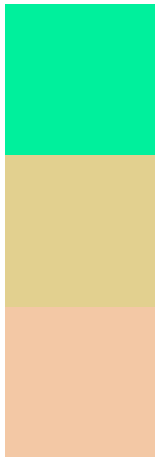


This preview shows how white text looks on a background with the XYZ color 37.1608, 64.7205,

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

37.1608, 64.7205, 41.9862

Protanopia

58.8778, 63.2637, 35.0945

Deuteranopia

64.4080, 63.0799, 44.3783



Tritanopia

48.4640, 64.6388, 97.9179

Trichromacy



Original Color

37.1608, 64.7205, 41.9862



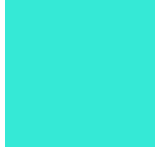
Protanomaly

42.4401, 59.2538, 37.2173



Deuteranomaly

44.3396, 58.1781, 43.0750



Tritanomaly

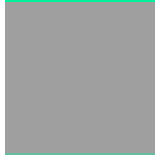
42.7447, 63.8898, 73.6974

Monochromacy



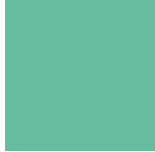
Original Color

37.1608, 64.7205, 41.9862



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.5216, 41.2018, 38.7445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1608, 64.7205, 41.9862 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 156) }
```

Border

The CSS property to change the border of an element to XYZ 37.1608, 64.7205, 41.9862 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, 156) }
```


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

```
.border{ border-color:rgb(0, 240, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1608, 64.7205, 41.9862 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, 156) }
```

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

```
.background{ background-color: rgb(0, 240,  
156) }
```

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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