

Converting Colors

XYZ(24.0003, 55.1730, 44.4405)

Have a look what the booklet for
XYZ(24.0003, 55.1730, 44.4405)
contains.

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Color

**XYZ(36.1237, 61.5260,
45.0937)**

Conversions

Conversions Part 1

Format	Color
Hex	00EAA4
RGB	0, 234, 164
RGB Percent	0%, 92%, 64%
CMY	0.9999, 0.0823, 0.3569
CMYK	1.00, 0.00, 0.30, 0.08
HSL	162°, 100%, 46%
HSV	162°, 100%, 92%
XYZ	36.1237, 61.5260, 45.0937
YIQ	156.0540, -116.9940, -71.3780

Conversions

Conversions Part 2

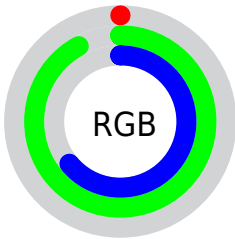
Format	Color
RYB	0, 138, 234
Decimal	60068
CIELab	82.66, -63.08, 21.03
CIELCh	83, 66.496, 161.567
Yxy	61.5260, 0.2531, 0.4310
Android (android.graphics.Color)	4278250148 (0xFF00EAA4)
YUV	156.0540, 3.9174, -136.8594
Hunter-Lab	78.4385, -55.0619, 20.8216

Details

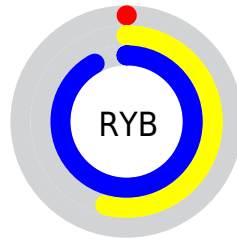
The XYZ color **36.1237, 61.5260, 45.0937** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.0398, 17.9364, 7.4152**, and the grayscale version is **31.6496, 33.2978, 36.2613**.

A 20% lighter version of the original color is **54.9766, 79.9495, 79.5521**, and **18.6468, 32.6141, 20.6416** is the 20% darker color. If you saturate the color by 10%, you get **36.1241, 61.5279, 45.0905**, and if you desaturate by 10%, it is **37.1382, 61.9755, 48.5348**.

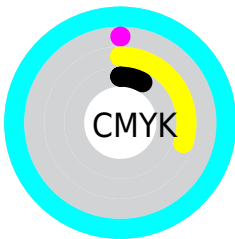
Distribution



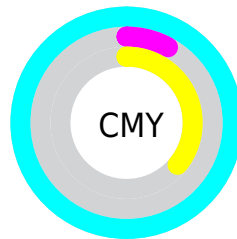
- Red (0%)
- Green (92%)
- Blue (64%)



- Red (0%)
- Yellow (54%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1237, 61.5260, 45.0937 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 36.1237, 61.5260, 45.0937 by changing the saturation by 10% instead.


 36.1237, 61.5260,
45.0937


 36.1237, 61.5260,
45.0937


320.9227,
430.2000, 383.3241


 24.7003, 44.6498,
31.1878


 68.5456, 107.0402,
84.1809


 15.9814, 31.1817,
20.4822


 90.2748, 136.4469,
110.1993


 9.6018, 20.7372,
12.5585


 116.1699,
170.7994, 141.0922

 5.1960, 12.9321,
6.9981

 146.5964,
210.4818, 177.2783

 2.3986, 7.3818,
3.3825

 181.9196,
255.8787, 219.1759

 0.8444, 3.7020,
1.2931

222.5048,

 0.0000, 1.5083,

307.3745, 267.2037

0.0561

268.7174,
365.3534, 321.7803

■ 0.0000, 0.2946,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1237, 61.5260,
45.0937

■ 36.1237, 61.5260,
45.0937

■ 36.1241, 61.5279,
45.0905

■ 37.1382, 61.9755,
48.5348

■ 38.6248, 62.6627,
52.1812

■ 40.7241, 63.6616,
56.0435

■ 43.5177, 65.0142,
60.1284

■ 47.0743, 66.7560,
64.4417

■ 51.4541, 68.9177,
68.9887

■ 56.7112, 71.5274,
73.7746

■ 62.8948, 74.6102,
78.8042

■ 70.0504, 78.1897,
84.0820

Harmonies

Analogous

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



42.1007, 61.5260, 23.7271



36.1237, 61.5260, 45.0937



35.5104, 61.5260, 84.0110

Triad

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



36.1237, 61.5260, 45.0937



64.1532, 61.5260, 177.1988



81.4976, 61.5260, 27.2162

Complementary

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



36.1237, 61.5260, 45.0937



35.0398, 17.9364, 7.4152

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.



89.6808, 61.5260, 52.4412



36.1237, 61.5260, 45.0937



78.6331, 61.5260, 144.6388

Square

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



36.1237, 61.5260, 45.0937



50.2264, 61.5260, 172.5815



88.5546, 61.5260, 95.0302



67.5886, 61.5260, 16.6828

Rectangle

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



36.1237, 61.5260, 45.0937



38.0813, 61.5260, 117.1089



88.5546, 61.5260, 95.0302



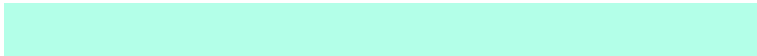
85.1038, 61.5260, 33.7063

Sweetspot

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



36.1253, 61.5284, 45.0951



68.8165, 86.8768, 89.5693



31.9660, 60.1583, 9.9279



14.1231, 18.2938, 18.6369



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.



36.1253, 61.5284, 45.0951



43.8671, 74.7628, 54.6112



32.6670, 41.5705, 84.1470



15.3145, 17.0406, 18.3392



20.3571, 34.5973, 25.6434



1.6406, 2.7336, 2.2352

Inverse Universe

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



35.0398, 17.9364, 7.4152



42.5547, 21.7859, 8.8532



34.9427, 19.5123, 1.9255



15.2509, 15.1282, 16.6067



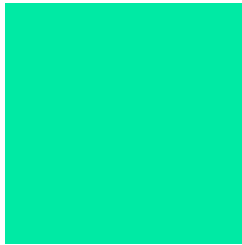
19.7376, 10.0977, 4.4195



1.5910, 0.8094, 0.5634

Previews

White Background



This preview shows how the XYZ color 36.1237, 61.5260, 45.0937 looks on a white background.

Color Contrast Check

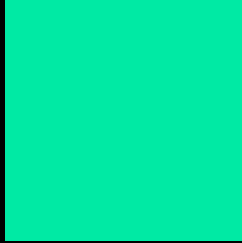
Large Text (above 18pt) WCAG AA × Fail

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 36.1237, 61.5260, 45.0937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

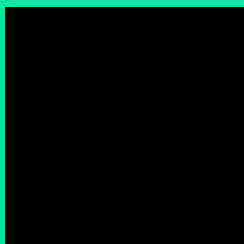
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

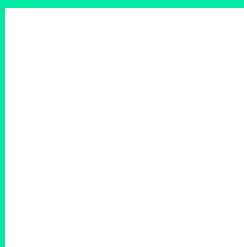
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1237, 61.5260, 45.0937

Background



This preview shows how black text looks on a background with the XYZ color 36.1237, 61.5260, 45.0937.

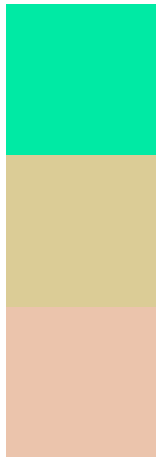


This preview shows how white text looks on a background with the XYZ color 36.1237, 61.5260,

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

36.1237, 61.5260, 45.0937

Protanopia

56.3113, 60.4478, 37.5538

Deuteranopia

61.4473, 60.1206, 47.3955



Tritanopia

45.9071, 61.3844, 93.4332

Trichromacy



Original Color

36.1237, 61.5260, 45.0937



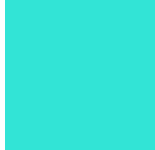
Protanomaly

40.8643, 56.4564, 39.7537



Deuteranomaly

42.7857, 55.4418, 45.9824



Tritanomaly

41.1964, 61.0200, 73.2251

Monochromacy



Original Color

36.1237, 61.5260, 45.0937



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.5441, 39.4368, 38.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1237, 61.5260, 45.0937 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, 234, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 164)  
}
```

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, 234, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 164) }
```

Border

The CSS property to change the border of an element to XYZ 36.1237, 61.5260, 45.0937 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, 234, 164) }
```


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

```
.border{ border-color:rgb(0, 234, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1237, 61.5260, 45.0937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 164) }
```

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

```
.background{ background-color: rgb(0, 234,  
164) }
```

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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