

Converting Colors

XYZ(36.8038, 61.8043, 48.4858)

Have a look what the booklet for
XYZ(36.8038, 61.8043, 48.4858)
contains.

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Color

**XYZ(36.8111, 61.8053,
48.5175)**

Conversions

Conversions Part 1

Format	Color
Hex	03EAAB
RGB	3, 234, 171
RGB Percent	1%, 92%, 67%
CMY	0.9881, 0.0823, 0.3294
CMYK	0.99, 0.00, 0.27, 0.08
HSL	164°, 97%, 46%
HSV	164°, 99%, 92%
XYZ	36.8111, 61.8053, 48.5175
YIQ	157.7490, -117.4530, -68.5650

Conversions

Conversions Part 2

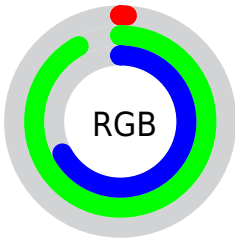
Format	Color
RYB	3, 137, 234
Decimal	256683
CIELab	82.81, -61.44, 17.60
CIELCh	83, 63.915, 164.015
Yxy	61.8053, 0.2502, 0.4201
Android (android.graphics.Color)	4278446763 (0xFF03EAAB)
YUV	157.7490, 6.5327, -135.7149
Hunter-Lab	78.6163, -53.9983, 18.4411

Details

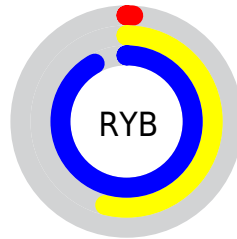
The XYZ color **36.8111, 61.8053, 48.5175** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **34.9503, 17.9527, 6.7831**, and the grayscale version is **32.4006, 34.0880, 37.1218**.

A 20% lighter version of the original color is **56.0430, 80.3905, 84.5146**, and **19.0519, 32.7762, 22.7751** is the 20% darker color. If you saturate the color by 10%, you get **36.6961, 61.7567, 48.1028**, and if you desaturate by 10%, it is **37.8354, 62.2629, 51.8203**.

Distribution



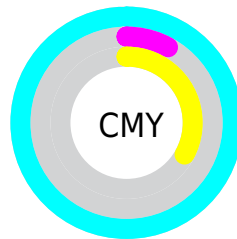
- Red (1%)
- Green (92%)
- Blue (67%)



- Red (1%)
- Yellow (54%)
- Blue (92%)



- Cyan (99%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)





- Cyan (99%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8111, 61.8053, 48.5175 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 36.8111, 61.8053, 48.5175 by changing the saturation by 10% instead.


 36.8111, 61.8053,
48.5175


 36.8111, 61.8053,
48.5175


323.8617,
431.2205, 397.4074


 25.2343, 44.8754,
33.8740


 69.5979, 107.4441,
89.3480


 16.3813, 31.3593,
22.5202


 91.5385, 136.9218,
116.3720


 9.8870, 20.8726,
14.0377


 117.6645,
171.3508, 148.3600

 5.3858, 13.0309,
8.0078

 148.3412,
211.1156, 185.7304

 2.5124, 7.4498,
4.0121

 183.9339,
256.6006, 228.9018

 0.9015, 3.7450,
1.6320

224.8080,

 0.0000, 1.5320,

308.1902, 278.2927

0.3135

271.3288,
366.2687, 334.3218

■ 0.0000, 0.3111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8111, 61.8053,
48.5175

■ 36.8111, 61.8053,
48.5175

■ 36.6961, 61.7567,
48.1028

■ 37.8354, 62.2629,
51.8203

■ 39.3586, 62.9727,
55.3005

■ 41.5002, 63.9978,
58.9672

■ 44.3397, 65.3791,
62.8262

■ 47.9443, 67.1513,
66.8825

■ 52.3732, 69.3448,
71.1409

■ 57.6796, 71.9871,
75.6058

■ 63.9122, 75.1031,
80.2812

■ 71.1160, 78.7160,
85.1713

Harmonies

Analogous

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



42.2171, 61.8053, 26.1994



36.8111, 61.8053, 48.5175



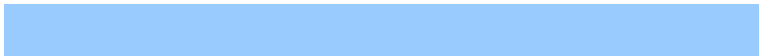
36.6390, 61.8053, 87.3551

Triad

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



36.8111, 61.8053, 48.5175



65.3844, 61.8053, 170.7796



79.8904, 61.8053, 27.1938

Complementary

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



36.8111, 61.8053, 48.5175



34.9503, 17.9527, 6.7831

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.



88.3215, 61.8053, 50.5689



36.8111, 61.8053, 48.5175



79.1035, 61.8053, 137.7855

Square

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



36.8111, 61.8053, 48.5175



51.7576, 61.8053, 169.5283



88.0129, 61.8053, 90.3837



66.3326, 61.8053, 17.5859

Rectangle

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



36.8111, 61.8053, 48.5175



39.4360, 61.8053, 119.1810



88.0129, 61.8053, 90.3837



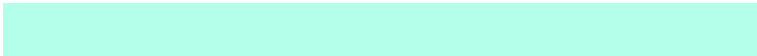
83.5060, 61.8053, 33.1951

Sweetspot

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



36.8128, 61.8077, 48.5189



69.1054, 86.9924, 91.0911



31.8578, 60.1006, 10.0086



14.1924, 18.3215, 19.0019



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.



36.8128, 61.8077, 48.5189



44.5638, 75.0415, 58.2804



32.0221, 40.2249, 83.9212



15.3322, 17.0477, 18.4320



20.6760, 34.7249, 27.3225



1.6636, 2.7427, 2.3562

Inverse Universe

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



34.9503, 17.9527, 6.7831



42.3315, 21.6966, 7.6780



35.2262, 20.0531, 2.1011



15.2343, 15.1216, 16.5189



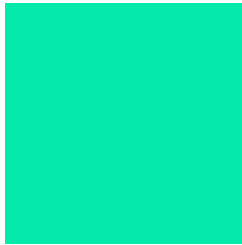
19.6303, 10.0548, 3.8547



1.5807, 0.8053, 0.5095

Previews

White Background



This preview shows how the XYZ color 36.8111, 61.8053, 48.5175 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 36.8111, 61.8053, 48.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

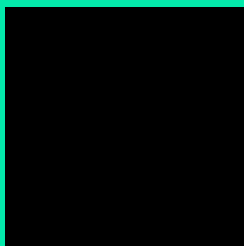
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

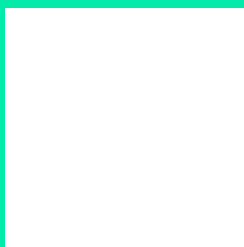
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8111, 61.8053, 48.5175

Background



This preview shows how black text looks on a background with the XYZ color 36.8111, 61.8053, 48.5175.

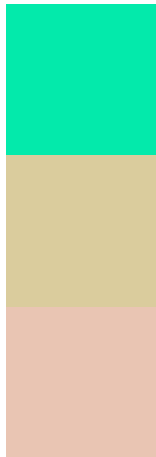


This preview shows how white text looks on a background with the XYZ color 36.8111, 61.8053,

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

36.8111, 61.8053, 48.5175

Protanopia

56.5921, 60.5255, 40.5982

Deuteranopia

61.7072, 60.5108, 51.0753



Tritanopia

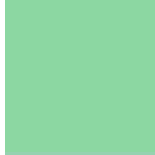
46.0834, 61.8580, 94.3050

Trichromacy



Original Color

36.8111, 61.8053, 48.5175



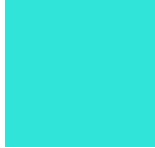
Protanomaly

41.6372, 56.7850, 42.9485



Deuteranomaly

43.2775, 55.6173, 49.5286



Tritanomaly

41.5344, 61.1495, 75.2596

Monochromacy



Original Color

36.8111, 61.8053, 48.5175



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.6493, 40.5869, 40.9217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8111, 61.8053, 48.5175 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(3, 234, 171)` looks like.

```
.text, #text, p{  
    color:rgb(3, 234, 171)  
}
```

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(3, 234, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 234, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.8111, 61.8053, 48.5175 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(3, 234, 171) }
```


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

```
.border{ border-color:rgb(3, 234, 171) }
```

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

Here you see how a box with a 4 pixel rgb(3, 234, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 234, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 234, 171);  
box-shadow:4px 4px 4px 4px rgb(3, 234,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8111, 61.8053, 48.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 234, 171) }
```

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

```
.background{ background-color: rgb(3, 234,  
171) }
```

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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