

Converting Colors

XYZ(36.4134, 60.2886, 50.7911)

Have a look what the booklet for
XYZ(36.4134, 60.2886, 50.7911)
contains.

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Color

**XYZ(36.4124, 60.2864,
50.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	00E7B0
RGB	0, 231, 176
RGB Percent	0%, 91%, 69%
CMY	0.9999, 0.0941, 0.3098
CMYK	1.00, 0.00, 0.24, 0.09
HSL	166°, 100%, 45%
HSV	166°, 100%, 91%
XYZ	36.4124, 60.2864, 50.7916
YIQ	155.6610, -120.0210, -66.0770

Conversions

Conversions Part 2

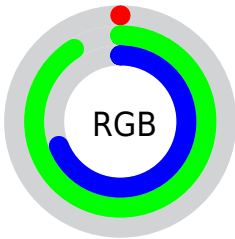
Format	Color
RYB	0, 131, 231
Decimal	59312
CIELab	81.99, -59.25, 13.84
CIELCh	82, 60.843, 166.848
Yxy	60.2864, 0.2469, 0.4087
Android (android.graphics.Color)	4278249392 (0xFF00E7B0)
YUV	155.6610, 10.0271, -136.5147
Hunter-Lab	77.6443, -52.1675, 15.5660

Details

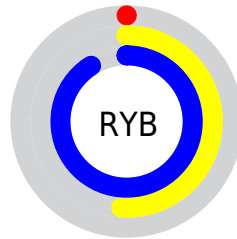
The XYZ color **36.4124, 60.2864, 50.7916** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.6470, 17.2665, 5.1785**, and the grayscale version is **31.4494, 33.0872, 36.0320**.

A 20% lighter version of the original color is **56.7559, 80.6612, 88.9218**, and **18.7112, 31.7022, 23.8718** is the 20% darker color. If you saturate the color by 10%, you get **36.4128, 60.2882, 50.7886**, and if you desaturate by 10%, it is **37.3256, 60.6945, 53.7351**.

Distribution



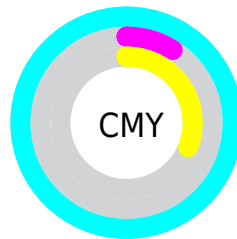
- Red (0%)
- Green (91%)
- Blue (69%)



- Red (0%)
- Yellow (51%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4124, 60.2864, 50.7916 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 36.4124, 60.2864, 50.7916 by changing the saturation by 10% instead.


 36.4124, 60.2864,
50.7916


 36.4124, 60.2864,
50.7916


322.1594,
425.6526, 406.5770


 24.9245, 43.6495,
35.6672


 68.9878, 105.2450,
92.7550


 16.1492, 30.3951,
23.8896


 90.8060, 134.3355,
120.4311


 9.7213, 20.1387,
15.0403


 116.7984,
168.3461, 153.1281

 5.2754, 12.4959,
8.7008

 147.3302,
207.6610, 191.2647

 2.4462, 7.0823,
4.4524

 182.7668,
252.6647, 235.2593

 0.8682, 3.5136,
1.8767

223.4737,

 0.0000, 1.4054,

303.7417, 285.5306

0.4778

269.8161,
361.2762, 342.4969

■ 0.0000, 0.2207,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4124, 60.2864,
50.7916

■ 36.4124, 60.2864,
50.7916

■ 36.4128, 60.2882,
50.7886

■ 37.3256, 60.6945,
53.7351

■ 38.6844, 61.3282,
56.8146

■ 40.6256, 62.2596,
60.0392

■ 43.2281, 63.5292,
63.4137

■ 46.5581, 65.1712,
66.9427

■ 50.6736, 67.2155,
70.6299

■ 55.6268, 69.6889,
74.4792

■ 61.4651, 72.6159,
78.4938

■ 68.2326, 76.0191,
82.6772

Harmonies

Analogous

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



41.0678, 60.2864, 28.1049



36.4124, 60.2864, 50.7916



36.7187, 60.2864, 88.4146

Triad

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



36.4124, 60.2864, 50.7916



64.7808, 60.2864, 159.5927



75.9591, 60.2864, 26.3078

Complementary

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



36.4124, 60.2864, 50.7916



33.6470, 17.2665, 5.1785

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.



84.4164, 60.2864, 47.1590



36.4124, 60.2864, 50.7916



77.3297, 60.2864, 127.0699

Square

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



36.4124, 60.2864, 50.7916



51.8488, 60.2864, 161.7423



84.9526, 60.2864, 83.1361



63.1214, 60.2864, 17.9715

Rectangle

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



36.4124, 60.2864, 50.7916



39.6817, 60.2864, 118.0137



84.9526, 60.2864, 83.1361



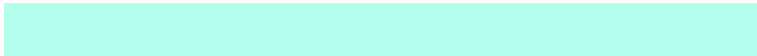
79.4872, 60.2864, 31.6374

Sweetspot

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



36.4140, 60.2888, 50.7930



69.4894, 87.1460, 93.1128



30.3091, 58.0468, 9.6077



14.2847, 18.3584, 19.4879



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.



36.4140, 60.2888, 50.7930



45.5286, 75.4274, 63.3607



29.4185, 35.7575, 80.9554



14.6530, 16.2746, 17.7033



20.4635, 33.8175, 28.7388



1.5476, 2.5132, 2.3104

Inverse Universe

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



33.6470, 17.2665, 5.1785



42.0749, 21.5940, 6.3265



34.4582, 19.9933, 2.0440



14.5170, 14.4240, 15.6567



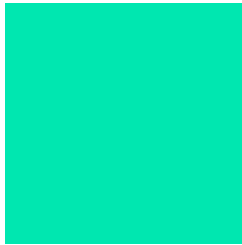
18.9021, 9.6951, 3.1135



1.4325, 0.7307, 0.4180

Previews

White Background



This preview shows how the XYZ color 36.4124, 60.2864, 50.7916 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 36.4124, 60.2864, 50.7916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

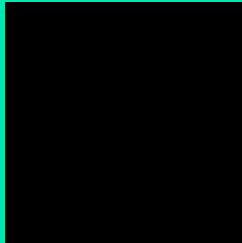
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

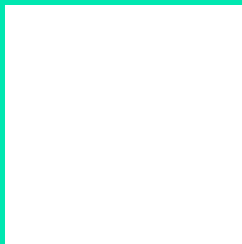
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4124, 60.2864, 50.7916

Background



This preview shows how black text looks on a background with the XYZ color 36.4124, 60.2864, 50.7916.

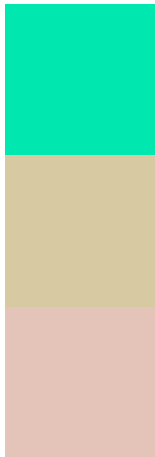


This preview shows how white text looks on a background with the XYZ color 36.4124, 60.2864,

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

36.4124, 60.2864, 50.7916

Protanopia

55.6664, 59.2968, 42.6939

Deuteranopia

60.1617, 58.9849, 53.5618



Tritanopia

44.7461, 60.0099, 92.4438

Trichromacy



Original Color

36.4124, 60.2864, 50.7916



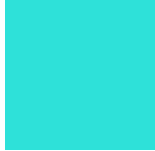
Protanomaly

41.0858, 55.6969, 45.1443



Deuteranomaly

42.5734, 54.4677, 51.9855



Tritanomaly

40.5763, 59.4410, 74.9803

Monochromacy



Original Color

36.4124, 60.2864, 50.7916



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.6899, 39.1640, 40.6976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4124, 60.2864, 50.7916 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, 231, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 176)  
}
```

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, 231, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.4124, 60.2864, 50.7916 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, 231, 176) }
```


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

```
.border{ border-color:rgb(0, 231, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4124, 60.2864, 50.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 176) }
```

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

```
.background{ background-color: rgb(0, 231,  
176) }
```

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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