

Converting Colors

XYZ(36.9168, 59.8671, 53.3527)

Have a look what the booklet for
XYZ(36.9168, 59.8671, 53.3527)
contains.

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Color

**XYZ(37.0633, 60.1494,
53.3726)**

Conversions

Conversions Part 1

Format	Color
Hex	1AE6B5
RGB	26, 230, 181
RGB Percent	10%, 90%, 71%
CMY	0.8980, 0.0980, 0.2902
CMYK	0.89, 0.00, 0.21, 0.10
HSL	166°, 80%, 50%
HSV	166°, 89%, 90%
XYZ	37.0633, 60.1494, 53.3726
YIQ	163.4180, -105.8550, -58.4870

Conversions

Conversions Part 2

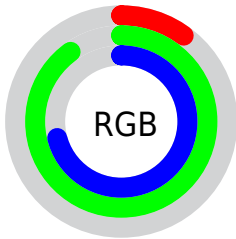
Format	Color
RYB	26, 142, 230
Decimal	1762997
CIELab	81.92, -56.78, 11.13
CIELCh	82, 57.856, 168.907
Yxy	60.1494, 0.2461, 0.3994
Android (android.graphics.Color)	4279953077 (0xFF1AE6B5)
YUV	163.4180, 8.6679, -120.5156
Hunter-Lab	77.5560, -50.4196, 13.4870

Details

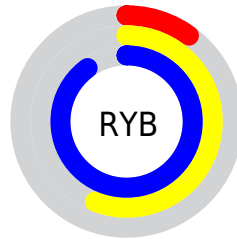
The XYZ color **37.0633, 60.1494, 53.3726** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **34.2747, 18.0714, 8.3418**, and the grayscale version is **35.0098, 36.8330, 40.1111**.

A 20% lighter version of the original color is **58.1163, 81.2793, 92.7462**, and **18.8399, 31.4457, 25.4987** is the 20% darker color. If you saturate the color by 10%, you get **36.1204, 59.7290, 50.4285**, and if you desaturate by 10%, it is **38.4844, 60.8167, 56.4592**.

Distribution



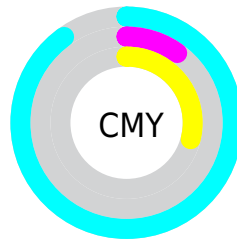
- Red (10%)
- Green (90%)
- Blue (71%)



- Red (10%)
- Yellow (56%)
- Blue (90%)



- Cyan (89%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)





- Cyan (90%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0633, 60.1494, 53.3726 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 37.0633, 60.1494, 53.3726 by changing the saturation by 10% instead.


 37.0633, 60.1494,
53.3726


 37.0633, 60.1494,
53.3726


324.9353,
425.1482, 416.8198


 25.4304, 43.5391,
37.7105


 69.9833, 105.0464,
96.5995


 16.5284, 30.3083,
25.4580


 92.0012, 134.1018,
125.0014


 9.9921, 20.0727,
16.1965


 118.2114,
168.0743, 158.4871

 5.4559, 12.4479,
9.5075

 148.9793,
207.3485, 197.4750

 2.5547, 7.0495,
4.9723

 184.6703,
252.3085, 242.3836

 0.9229, 3.4931,
2.1726

225.6497,

 0.0000, 1.3943,

303.3389, 293.6316

0.6585

272.2829,
360.8240, 351.6375

■ 0.0000, 0.2125,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0633, 60.1494,
53.3726

■ 37.0633, 60.1494,
53.3726

■ 36.1204, 59.7290,
50.4285

■ 38.4844, 60.8167,
56.4592

■ 36.0113, 59.6810,
50.0514

■ 40.4919, 61.7821,
59.6905

■ 43.1635, 63.0873,
63.0730

■ 46.5634, 64.7652,
66.6108

■ 50.7482, 66.8451,
70.3079

■ 55.7689, 69.3531,
74.1679

■ 61.6720, 72.3133,
78.1942

■ 68.5004, 75.7477,
82.3901

■ 76.2945, 79.6770,
86.7584

Harmonies

Analogous

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



41.2192, 60.1494, 30.4561



37.0633, 60.1494, 53.3726



37.6879, 60.1494, 89.8223

Triad

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



37.0633, 60.1494, 53.3726



65.1316, 60.1494, 152.0760



74.0576, 60.1494, 26.7256

Complementary

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



37.0633, 60.1494, 53.3726



34.2747, 18.0714, 8.3418

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.



82.4214, 60.1494, 46.0080



37.0633, 60.1494, 53.3726



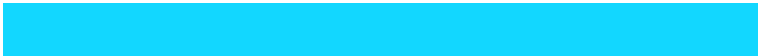
76.7822, 60.1494, 120.4667

Square

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



37.0633, 60.1494, 53.3726



52.7648, 60.1494, 156.2781



83.4841, 60.1494, 79.3208



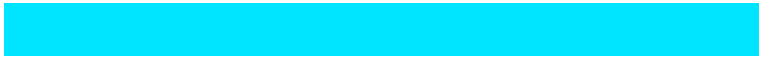
61.8142, 60.1494, 19.1477

Rectangle

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



37.0633, 60.1494, 53.3726



40.7572, 60.1494, 117.5356



83.4841, 60.1494, 79.3208



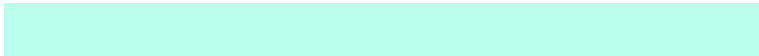
77.4864, 60.1494, 31.6530

Sweetspot

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



37.0650, 60.1517, 53.3740



71.5466, 88.1781, 94.4935



31.5462, 58.2487, 10.5588



14.8088, 18.6209, 19.8596



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.



37.0650, 60.1517, 53.3740



45.4688, 75.4035, 63.0460



30.8314, 38.1763, 80.6093



14.6516, 16.2741, 17.6963



20.4371, 33.8069, 28.5996



1.5459, 2.5125, 2.3012

Inverse Universe

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



34.2747, 18.0714, 8.3418



42.0892, 21.5997, 6.4020



35.4758, 22.2080, 3.3951



14.5182, 14.4245, 15.6633



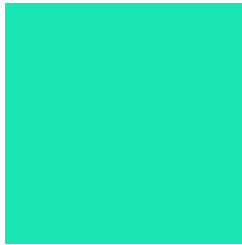
18.9089, 9.6978, 3.1492



1.4331, 0.7310, 0.4215

Previews

White Background



This preview shows how the XYZ color 37.0633, 60.1494, 53.3726 looks on a white background.

Color Contrast Check

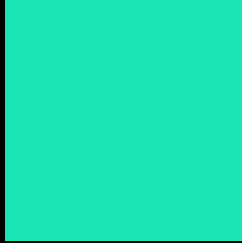
Large Text (above 18pt) WCAG AA × Fail

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 37.0633, 60.1494, 53.3726 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

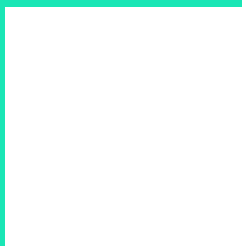
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0633, 60.1494, 53.3726

Background



This preview shows how black text looks on a background with the XYZ color 37.0633, 60.1494, 53.3726.

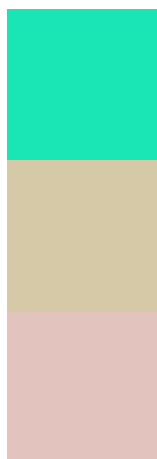


This preview shows how white text looks on a background with the XYZ color 37.0633, 60.1494,

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

37.0633, 60.1494, 53.3726

Protanopia

55.3023, 58.7094, 44.9765

Deuteranopia

60.0644, 58.8731, 56.3420



Tritanopia

44.6735, 59.9897, 91.6627

Trichromacy



Original Color

37.0633, 60.1494, 53.3726



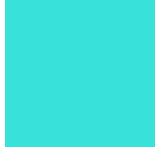
Protanomaly

42.6669, 56.0853, 47.6065



Deuteranomaly

44.5557, 55.4292, 54.8050



Tritanomaly

41.3987, 59.8348, 76.3852

Monochromacy



Original Color

37.0633, 60.1494, 53.3726



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.8361, 41.9536, 44.4501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0633, 60.1494, 53.3726 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(26, 230, 181)` looks like.

```
.text, #text, p{  
  color:rgb(26, 230, 181)  
}
```

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(26, 230, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 230, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.0633, 60.1494, 53.3726 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(26, 230, 181) }
```


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

```
.border{ border-color:rgb(26, 230, 181) }
```

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

Here you see how a box with a 4 pixel rgb(26, 230, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 230, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 230, 181);  
box-shadow:4px 4px 4px 4px rgb(26, 230,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0633, 60.1494, 53.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 230, 181) }
```

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

```
.background{ background-color: rgb(26, 230,  
181) }
```

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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