

Converting Colors

XYZ(37.3812, 61.7870, 43.5386)

Have a look what the booklet for
XYZ(37.3812, 61.7870, 43.5386)
contains.

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Color

**XYZ(37.4354, 61.8117,
43.6760)**

Conversions

Conversions Part 1

Format	Color
Hex	3CE9A1
RGB	60, 233, 161
RGB Percent	24%, 91%, 63%
CMY	0.7647, 0.0863, 0.3686
CMYK	0.74, 0.00, 0.31, 0.09
HSL	155°, 80%, 57%
HSV	155°, 74%, 91%
XYZ	37.4354, 61.8117, 43.6760
YIQ	173.0650, -79.9960, -59.0680

Conversions

Conversions Part 2

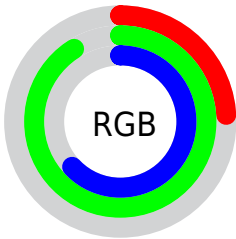
Format	Color
RYB	60, 169, 233
Decimal	3991969
CIELab	82.81, -59.41, 22.87
CIELCh	83, 63.659, 158.947
Yxy	61.8117, 0.2619, 0.4325
Android (android.graphics.Color)	4282182049 (0xFF3CE9A1)
YUV	173.0650, -5.9480, -99.1580
Hunter-Lab	78.6204, -52.5923, 22.0969

Details

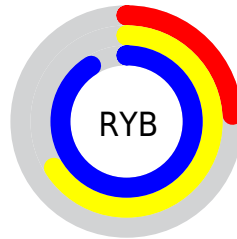
The XYZ color **37.4354, 61.8117, 43.6760** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **39.3870, 22.2227, 24.0457**, and the grayscale version is **39.8139, 41.8873, 45.6153**.

A 20% lighter version of the original color is **57.5147, 81.3032, 77.6275**, and **18.2857, 32.1548, 19.7107** is the 20% darker color. If you saturate the color by 10%, you get **35.5031, 60.9122, 39.2941**, and if you desaturate by 10%, it is **40.0564, 63.0618, 48.4392**.

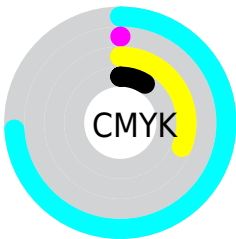
Distribution



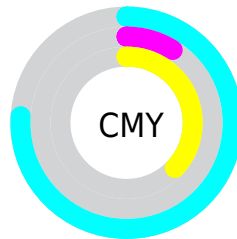
- Red (24%)
- Green (91%)
- Blue (63%)



- Red (24%)
- Yellow (66%)
- Blue (91%)



- Cyan (74%)
- Magenta (0%)
- Yellow (31%)
- Black (9%)





- Cyan (76%)
- Magenta (9%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4354, 61.8117, 43.6760 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 37.4354, 61.8117, 43.6760 by changing the saturation by 10% instead.


 37.4354, 61.8117,
43.6760


 37.4354, 61.8117,
43.6760


326.5146,
431.2439, 377.3871


 25.7200, 44.8806,
30.0806


 70.5514, 107.4533,
82.0273


 16.7459, 31.3634,
19.6472


 92.6827, 136.9326,
107.6201

 10.1476, 20.8757,
11.9573

 119.0168,
171.3634, 138.0492

 5.5600, 13.0332,
6.5924

 149.9188,
211.1301, 173.7331

 2.6175, 7.4514,
3.1340

185.7543,
256.6171, 215.0903

 0.9549, 3.7460,
1.1635

226.8885,

 0.0000, 1.5325,

308.2088, 262.5393

0.0000

273.6868,
366.2896, 316.4987

■ 0.0000, 0.3114,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4354, 61.8117,
43.6760

■ 37.4354, 61.8117,
43.6760

■ 35.5031, 60.9122,
39.2941

■ 40.0564, 63.0618,
48.4392


■ 34.1651, 60.3099,
35.2771


■ 43.4349, 64.6930,
53.5903


■ 33.5860, 60.0584,
33.1254


■ 47.6362, 66.7403,
59.1411


■ 52.7170, 69.2329,
65.1013

 58.7288, 72.1971,
71.4803

 65.7189, 75.6573,
78.2870

 73.7315, 79.6359,
85.5299

 82.8078, 84.1542,
93.2175

 87.3668, 86.3348,
101.0947

Harmonies

Analogous

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



43.6979, 61.8117, 24.0271



37.4354, 61.8117, 43.6760



36.3808, 61.8117, 79.7311

Triad

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



37.4354, 61.8117, 43.6760



62.9432, 61.8117, 172.7213



81.7114, 61.8117, 30.1449

Complementary

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



37.4354, 61.8117, 43.6760



39.3870, 22.2227, 24.0457

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.



88.8036, 61.8117, 56.2375



37.4354, 61.8117, 43.6760



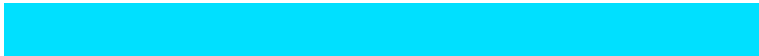
76.9140, 61.8117, 144.6797

Square

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



37.4354, 61.8117, 43.6760



49.7861, 61.8117, 165.1171



86.9233, 61.8117, 98.2044



68.7304, 61.8117, 18.5927

Rectangle

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



37.4354, 61.8117, 43.6760



38.5819, 61.8117, 110.8198



86.9233, 61.8117, 98.2044



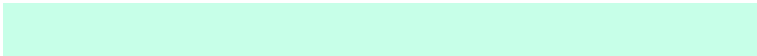
84.9483, 61.8117, 36.9928

Sweetspot

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



37.4370, 61.8142, 43.6774



73.8027, 89.4548, 89.4612



39.4853, 63.5190, 14.4550



15.3266, 18.9146, 18.6742



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.



37.4370, 61.8142, 43.6774



42.6331, 74.3247, 45.6069



41.7963, 57.2922, 85.9494



15.2371, 17.0097, 17.9317



19.1198, 34.1024, 19.1280



1.5491, 2.6970, 1.7535

Inverse Universe

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



39.3870, 22.2227, 24.0457



45.2007, 23.5106, 20.7328



36.8983, 22.6046, 6.6940



15.3255, 15.1580, 16.9993



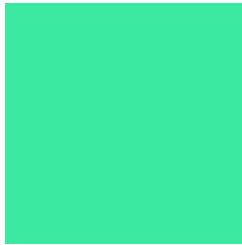
20.3499, 10.3426, 7.6438



1.6449, 0.8309, 0.8474

Previews

White Background



This preview shows how the XYZ color 37.4354, 61.8117, 43.6760 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 37.4354, 61.8117, 43.6760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

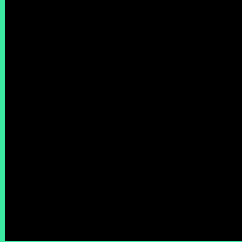
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4354, 61.8117, 43.6760

Background



This preview shows how black text looks on a background with the XYZ color 37.4354, 61.8117, 43.6760.

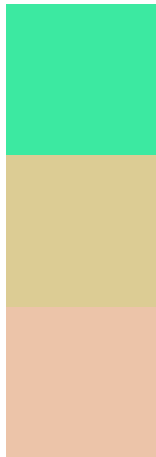


This preview shows how white text looks on a background with the XYZ color 37.4354, 61.8117,

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

37.4354, 61.8117, 43.6760

Protanopia

56.4534, 60.5395, 36.7269

Deuteranopia

61.4934, 60.1773, 45.9104



Tritanopia

47.0887, 61.6130, 92.6298

Trichromacy



Original Color

37.4354, 61.8117, 43.6760



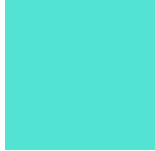
Protanomaly

44.9505, 58.5822, 39.0753



Deuteranomaly

46.6967, 57.1248, 44.6414



Tritanomaly

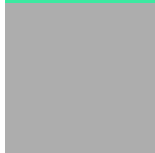
42.9200, 61.5306, 71.9018

Monochromacy



Original Color

37.4354, 61.8117, 43.6760



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.1923, 46.8003, 44.6619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4354, 61.8117, 43.6760 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(60, 233, 161)` looks like.

```
.text, #text, p{  
    color:rgb(60, 233, 161)  
}
```

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(60, 233, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 233, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.4354, 61.8117, 43.6760 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(60, 233, 161) }
```


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

```
.border{ border-color:rgb(60, 233, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 233, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 233, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 233, 161);  
box-shadow:4px 4px 4px 4px rgb(60, 233,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4354, 61.8117, 43.6760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 233, 161) }
```

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

```
.background{ background-color: rgb(60, 233,  
161) }
```

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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