

Converting Colors

XYZ(37.1658, 60.9386, 10.7517)

Have a look what the booklet for
XYZ(37.1658, 60.9386, 10.7517)
contains.

XYZ(37.2357, 61.1802, 10.8237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2357, 61.1802,
10.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE61A
RGB	127, 230, 26
RGB Percent	50%, 90%, 10%
CMY	0.5020, 0.0980, 0.8980
CMYK	0.45, 0.00, 0.89, 0.10
HSL	90°, 80%, 50%
HSV	90°, 89%, 90%
XYZ	37.2357, 61.1802, 10.8237
YIQ	175.9470, 4.0960, -85.2800

Conversions

Conversions Part 2

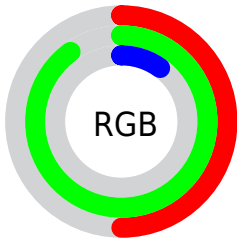
Format	Color
R_{YB}	26, 230, 129
Decimal	8381978
CIE _{Lab}	82.48, -58.61, 77.14
CIE _{LCh}	82, 96.876, 127.227
Yxy	61.1802, 0.3409, 0.5601
Android (android.graphics.Color)	4286572058 (0xFF7FE61A)
YUV	175.9470, -73.9239, -42.9265
Hunter-Lab	78.2178, -51.9059, 46.5479

Details

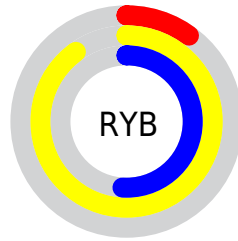
The XYZ color **37.2357, 61.1802, 10.8237** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **23.7095, 11.1215, 75.7633**, and the grayscale version is **41.6134, 43.7806, 47.6770**.

A 20% lighter version of the original color is **58.3648, 82.9293, 23.9971**, and **17.1860, 31.3289, 5.1413** is the 20% darker color. If you saturate the color by 10%, you get **35.4357, 60.2738, 9.8529**, and if you desaturate by 10%, it is **39.4359, 62.2739, 12.8490**.

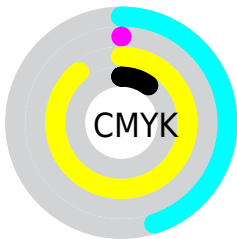
Distribution



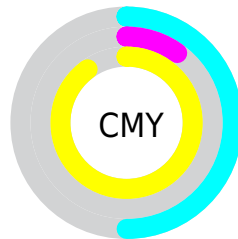
- Red (50%)
- Green (90%)
- Blue (10%)



- Red (10%)
- Yellow (90%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (89%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2357, 61.1802, 10.8237 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 37.2357, 61.1802, 10.8237 by changing the saturation by 10% instead.


 37.2357, 61.1802,
10.8237


 37.2357, 61.1802,
10.8237


325.6677,
428.9344, 207.1478


 25.5645, 44.3706,
5.8357


 70.2466, 106.5398,
27.9653

 16.6291, 30.9620,
2.6783


 92.3171, 135.8586,
40.9561


 10.0641, 20.5699,
0.9325


 118.5847,
170.1160, 57.4515

 5.5041, 12.8100,
0.0000

 149.4149,
209.6962, 77.8702

 2.5837, 7.2978,
0.0000

 185.1729,
254.9838, 102.6306

 0.9377, 3.6490,
0.0000

 226.2241,

 0.0000, 1.4792,

306.3631, 132.1513

0.0000

272.9339,
364.2185, 166.8509

■ 0.0000, 0.2741,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2357, 61.1802,
10.8237

■ 37.2357, 61.1802,
10.8237

■ 35.4357, 60.2738,
9.8529


■ 39.4359, 62.2739,
12.8490


■ 35.2198, 60.1644,
9.7566


■ 42.0880, 63.5700,
16.1856

■ 45.2327, 65.0876,
21.0095


■ 48.9038, 66.8409,
27.4689

 53.1317, 68.8428,
35.6937

 57.9440, 71.1049,
45.8011

 63.3662, 73.6380,
57.8978

 69.4221, 76.4523,
72.0828

 76.1341, 79.5572,
88.4486

Harmonies

Analogous

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



53.2838, 61.1802, 5.4437



37.2357, 61.1802, 10.8237



28.6223, 61.1802, 31.5073

Triad

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



37.2357, 61.1802, 10.8237



44.0596, 61.1802, 236.7666



107.2670, 61.1802, 53.2756

Complementary

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



37.2357, 61.1802, 10.8237



23.7095, 11.1215, 75.7633

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.



103.1287, 61.1802, 121.2195



37.2357, 61.1802, 10.8237



63.3037, 61.1802, 255.8506

Square

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



37.2357, 61.1802, 10.8237



31.8596, 61.1802, 162.1499



85.7157, 61.1802, 204.9059



95.9630, 61.1802, 18.7037

Rectangle

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



37.2357, 61.1802, 10.8237



26.7584, 61.1802, 61.2486



85.7157, 61.1802, 204.9059



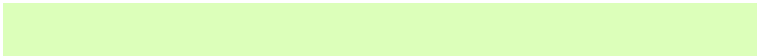
107.6731, 61.1802, 72.2857

Sweetspot

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



37.2371, 61.1828, 10.8250



74.2250, 90.3238, 60.0602



40.5417, 32.3393, 5.0835



15.4133, 19.1109, 11.8291



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.



37.2371, 61.1828, 10.8250



44.3993, 75.9737, 12.3243



28.9111, 56.8906, 10.4354



14.8655, 16.4377, 15.2938



20.0793, 34.1328, 5.5300



1.5909, 2.5775, 0.4137

Inverse Universe

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



23.7095, 11.1215, 75.7633



27.0672, 11.8685, 95.4720



47.2879, 23.2766, 76.8667



14.2730, 14.2430, 18.1412



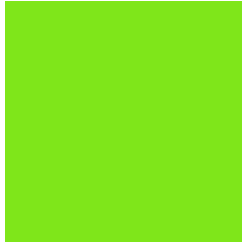
12.3156, 5.4148, 42.7792



1.0172, 0.4554, 3.1662

Previews

White Background



This preview shows how the XYZ color 37.2357, 61.1802, 10.8237 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 37.2357, 61.1802, 10.8237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

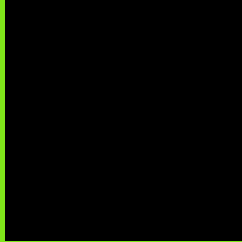
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2357, 61.1802, 10.8237

Background



This preview shows how black text looks on a background with the XYZ color 37.2357, 61.1802, 10.8237.



This preview shows how white text looks on a background with the XYZ color 37.2357, 61.1802,

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

37.2357, 61.1802, 10.8237

Protanopia

54.3195, 60.0461, 9.2173

Deuteranopia

61.4290, 60.2025, 13.0852



Tritanopia

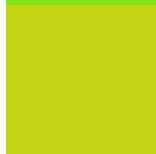
51.9879, 60.8312, 84.6028

Trichromacy



Original Color

37.2357, 61.1802, 10.8237



Protanomaly

45.9128, 58.9765, 9.6256



Deuteranomaly

48.9010, 58.2658, 11.6867



Tritanomaly

43.2710, 59.6064, 40.6771

Monochromacy



Original Color

37.2357, 61.1802, 10.8237



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.2917, 48.1294, 25.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2357, 61.1802, 10.8237 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(127, 230, 26)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 26)  
}
```

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(127, 230, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 26) }
```

Border

The CSS property to change the border of an element to XYZ 37.2357, 61.1802, 10.8237 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(127, 230, 26) }
```


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

```
.border{ border-color:rgb(127, 230, 26) }
```

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

Here you see how a box with a 4 pixel rgb(127, 230, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 26);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2357, 61.1802, 10.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 26) }
```

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

```
.background{ background-color: rgb(127,  
230, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor