

Converting Colors

XYZ(37.1592, 61.8831, 18.4805)

Have a look what the booklet for
XYZ(37.1592, 61.8831, 18.4805)
contains.

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Color

**XYZ(37.1784, 61.8138,
18.5661)**

Conversions

Conversions Part 1

Format	Color
Hex	70E855
RGB	112, 232, 85
RGB Percent	44%, 91%, 33%
CMY	0.5608, 0.0902, 0.6666
CMYK	0.52, 0.00, 0.63, 0.09
HSL	109°, 76%, 62%
HSV	109°, 63%, 91%
XYZ	37.1784, 61.8138, 18.5661
YIQ	179.3620, -24.3330, -71.1570

Conversions

Conversions Part 2

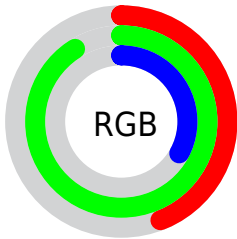
Format	Color
RYB	85, 232, 205
Decimal	7399509
CIELab	82.81, -60.26, 59.46
CIELCh	83, 84.657, 135.378
Yxy	61.8138, 0.3163, 0.5258
Android (android.graphics.Color)	4285589589 (0xFF70E855)
YUV	179.3620, -46.5205, -59.0765
Hunter-Lab	78.6218, -53.1796, 41.0342

Details

The XYZ color **37.1784, 61.8138, 18.5661** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **42.9942, 25.3045, 78.9654**, and the grayscale version is **43.2924, 45.5470, 49.6007**.

A 20% lighter version of the original color is **57.5069, 82.1841, 37.6431**, and **16.5441, 31.2656, 6.0826** is the 20% darker color. If you saturate the color by 10%, you get **34.2423, 60.3917, 14.3813**, and if you desaturate by 10%, it is **40.9264, 63.6233, 24.3681**.

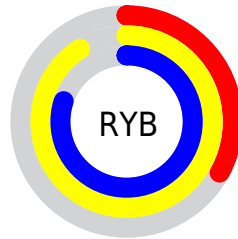
Distribution



Red (44%)

Green (91%)

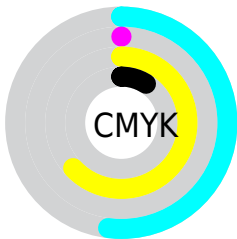
Blue (33%)



Red (33%)

Yellow (91%)

Blue (80%)

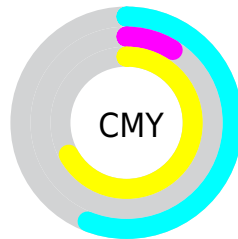


Cyan (52%)

Magenta (0%)

Yellow (63%)

Black (9%)



Cyan (56%)


Magenta (9%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1784, 61.8138, 18.5661 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 37.1784, 61.8138, 18.5661 by changing the saturation by 10% instead.


 37.1784, 61.8138,
18.5661


 37.1784, 61.8138,
18.5661


325.4244,
431.2516, 256.3852


 25.5200, 44.8823,
11.1835


 70.1591, 107.4564,
41.8265


 16.5957, 31.3647,
6.0747


 92.2121, 136.9362,
58.5414

 10.0401, 20.8767,
2.8210


 118.4607,
171.3676, 79.2042

 5.4880, 13.0339,
1.0040

 149.2702,
211.1349, 104.2334

 2.5740, 7.4519,
0.0000

185.0059,
256.6226, 134.0476

 0.9327, 3.7463,
0.0000

226.0333,

 0.0000, 1.5327,

308.2150, 169.0653

0.0000

272.7177,
366.2965, 209.7049

■ 0.0000, 0.3116,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1784, 61.8138,
18.5661

■ 37.1784, 61.8138,
18.5661

■ 34.2423, 60.3917,
14.3813

■ 40.9264, 63.6233,
24.3681

■ 32.0509, 59.3202,
11.6459


■ 45.5377, 65.8381,
31.9250


■ 30.5325, 58.5687,
10.1628

■ 51.0647, 68.4841,
41.3645


■ 29.8377, 58.2208,
9.6651

■ 57.5542, 71.5831,
52.8011

 65.0495, 75.1552,
66.3405

 73.5915, 79.2192,
82.0806

 83.2188, 83.7931,
100.1135

 88.1478, 86.1957,
106.5993

Harmonies

Analogous

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



49.9428, 61.8138, 9.5123



37.1784, 61.8138, 18.5661



30.9554, 61.8138, 45.0217

Triad

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



37.1784, 61.8138, 18.5661



50.3450, 61.8138, 218.5454



99.4176, 61.8138, 44.0498

Complementary

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



37.1784, 61.8138, 18.5661



42.9942, 25.3045, 78.9654

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.



99.5877, 61.8138, 95.9416



37.1784, 61.8138, 18.5661



68.5409, 61.8138, 217.7942

Square

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



37.1784, 61.8138, 18.5661



37.4201, 61.8138, 166.9506



87.3810, 61.8138, 165.2396



86.9554, 61.8138, 18.1719

Rectangle

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



37.1784, 61.8138, 18.5661



30.3203, 61.8138, 77.1538



87.3810, 61.8138, 165.2396



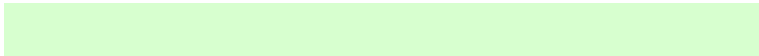
100.9879, 61.8138, 58.3317

Sweetspot

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



37.1799, 61.8164, 18.5675



75.1235, 90.5179, 72.2557



56.1826, 60.3378, 17.2805



15.5250, 19.1102, 14.4690



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.



37.1799, 61.8164, 18.5675



41.5152, 74.3890, 16.6136



36.5740, 61.2350, 30.6972



14.4350, 16.2158, 15.2736



16.6403, 32.3599, 5.3690



1.3011, 2.4281, 0.4001

Inverse Universe

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



42.9942, 25.3045, 78.9654



49.0662, 25.7025, 96.9828



45.5958, 27.2810, 50.3856



14.7220, 14.4744, 18.1622



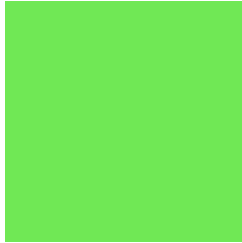
19.8904, 9.3198, 43.1337



1.5375, 0.7236, 3.1906

Previews

White Background



This preview shows how the XYZ color 37.1784, 61.8138, 18.5661 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 37.1784, 61.8138, 18.5661 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

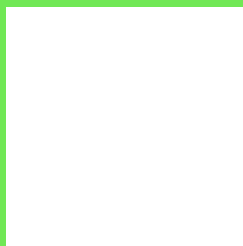
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1784, 61.8138, 18.5661

Background



This preview shows how black text looks on a background with the XYZ color 37.1784, 61.8138, 18.5661.

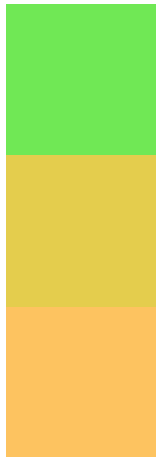


This preview shows how white text looks on a background with the XYZ color 37.1784, 61.8138,

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

37.1784, 61.8138, 18.5661

Protanopia

55.1658, 60.6924, 15.8284

Deuteranopia

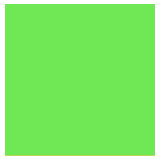
62.1344, 60.7574, 19.5188



Tritanopia

50.7928, 61.2866, 87.7497

Trichromacy



Original Color

37.1784, 61.8138, 18.5661



Protanomaly

45.9981, 59.6192, 16.6727



Deuteranomaly

48.8448, 58.4410, 18.8311



Tritanomaly

43.5654, 60.2837, 52.5198

Monochromacy



Original Color

37.1784, 61.8138, 18.5661



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.8225, 49.4011, 34.2773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1784, 61.8138, 18.5661 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(112, 232, 85)` looks like.

```
.text, #text, p{  
    color:rgb(112, 232, 85)  
}
```

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(112, 232, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 232, 85) }
```

Border

The CSS property to change the border of an element to XYZ 37.1784, 61.8138, 18.5661 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(112, 232, 85) }
```


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

```
.border{ border-color:rgb(112, 232, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 232, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 232, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 232, 85);  
box-shadow:4px 4px 4px 4px rgb(112, 232,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1784, 61.8138, 18.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 232, 85) }
```

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

```
.background{ background-color: rgb(112,  
232, 85) }
```

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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