

Converting Colors

XYZ(37.1611, 63.8645, 21.7788)

Have a look what the booklet for
XYZ(37.1611, 63.8645, 21.7788)
contains.

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Color

**XYZ(37.1612, 63.8643,
21.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	5FED61
RGB	95, 237, 97
RGB Percent	37%, 93%, 38%
CMY	0.6274, 0.0706, 0.6196
CMYK	0.60, 0.00, 0.59, 0.07
HSL	121°, 80%, 65%
HSV	121°, 60%, 93%
XYZ	37.1612, 63.8643, 21.6777
YIQ	178.5820, -39.6920, -73.6440

Conversions

Conversions Part 2

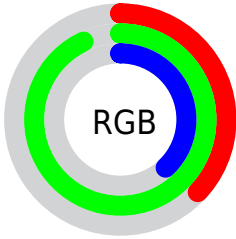
Format	Color
RYB	95, 235, 237
Decimal	6286689
CIELab	83.90, -64.97, 55.45
CIELCh	84, 85.415, 139.521
Yxy	63.8643, 0.3029, 0.5205
Android (android.graphics.Color)	4284476769 (0xFF5FED61)
YUV	178.5820, -40.2199, -73.3014
Hunter-Lab	79.9151, -56.8475, 39.8577

Details

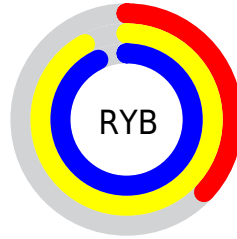
The XYZ color **37.1612, 63.8643, 21.6777** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **54.0144, 32.1882, 81.9645**, and the grayscale version is **42.8490, 45.0805, 49.0926**.

A 20% lighter version of the original color is **55.5280, 81.0561, 42.4245**, and **16.7392, 32.8097, 7.6411** is the 20% darker color. If you saturate the color by 10%, you get **34.1300, 62.4114, 16.6626**, and if you desaturate by 10%, it is **41.2650, 65.8368, 28.4202**.

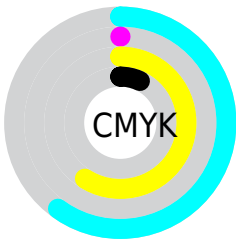
Distribution



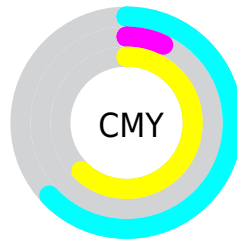
- Red (37%)
- Green (93%)
- Blue (38%)



- Red (37%)
- Yellow (92%)
- Blue (93%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)





- Cyan (63%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1612, 63.8643, 21.6777 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 37.1612, 63.8643, 21.6777 by changing the saturation by 10% instead.


 37.1612, 63.8643,
21.6777


 37.1612, 63.8643,
21.6777


325.3513,
438.6994, 273.7569


 25.5066, 46.5408,
13.4242


 70.1329, 110.4155,
47.1081


 16.5856, 32.6728,
7.5872


 92.1806, 140.4119,
65.1220

 10.0330, 21.8759,
3.7480


 118.4234,
175.4015, 87.2266

 5.4832, 13.7657,
1.4881

 149.2267,
215.7685, 113.8402

 2.5711, 7.9579,
0.2091

184.9558,
261.8974, 145.3816

 0.9313, 4.0680,
0.0000

225.9760,

 0.0000, 1.7117,

314.1726, 182.2691

0.0000

272.6527,
372.9785, 224.9213

■ 0.0000, 0.4312,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1612, 63.8643,
21.6777

■ 37.1612, 63.8643,
21.6777

■ 34.1300, 62.4114,
16.6626

■ 41.2650, 65.8368,
28.4202

■ 32.0672, 61.4222,
13.2140


■ 46.5238, 68.3628,
37.0233


■ 30.8565, 60.8425,
11.1487


■ 53.0174, 71.4828,
47.6122


■ 30.3073, 60.5799,
10.1974

■ 60.8171, 75.2309,
60.2999

 30.3037, 60.5782,
10.1916

 69.9888, 79.6390,
75.1909

 80.5941, 84.7367,
92.3830

 89.5754, 89.0509,
107.0751

Harmonies

Analogous

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



49.4128, 63.8643, 10.5042



37.1612, 63.8643, 21.6777



31.6579, 63.8643, 52.3666

Triad

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



37.1612, 63.8643, 21.6777



54.3650, 63.8643, 228.9427



101.5115, 63.8643, 40.3800

Complementary

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



37.1612, 63.8643, 21.6777



54.0144, 32.1882, 81.9645

Split Complementary

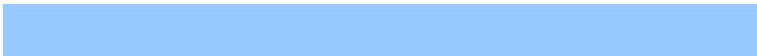
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.6022, 63.8643, 90.1027



37.1612, 63.8643, 21.6777



73.5896, 63.8643, 219.7278

Square

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



37.1612, 63.8643, 21.6777



40.1405, 63.8643, 181.6481



92.5331, 63.8643, 160.6417



87.3016, 63.8643, 16.7964

Rectangle

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



37.1612, 63.8643, 21.6777



31.5900, 63.8643, 88.0913



92.5331, 63.8643, 160.6417



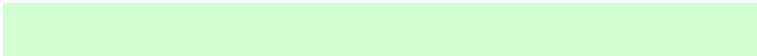
103.7522, 63.8643, 53.7907

Sweetspot

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



37.1627, 63.8670, 21.6791



73.6842, 89.7305, 74.2440



67.2775, 79.4024, 22.6071



15.1418, 18.9034, 14.8681



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.



37.1627, 63.8670, 21.6791



39.6236, 73.3690, 18.5499



41.8881, 65.7571, 46.5624



14.8770, 16.8656, 16.0349



16.5480, 33.0737, 5.5850



1.3025, 2.5983, 0.4546

Inverse Universe

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



54.0144, 32.1882, 81.9645



61.1546, 32.8719, 95.5587



45.9020, 28.9432, 39.2450



15.7051, 15.3099, 18.9985



27.1536, 13.0641, 43.4719



2.1352, 1.0270, 3.4292

Previews

White Background



This preview shows how the XYZ color 37.1612, 63.8643, 21.6777 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 37.1612, 63.8643, 21.6777 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

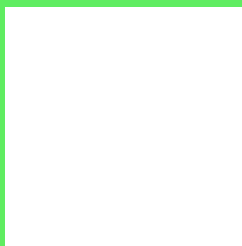
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1612, 63.8643, 21.6777

Background



This preview shows how black text looks on a background with the XYZ color 37.1612, 63.8643, 21.6777.



This preview shows how white text looks on a background with the XYZ color 37.1612, 63.8643,

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

37.1612, 63.8643, 21.6777

Protanopia

57.2723, 62.8053, 18.3366

Deuteranopia

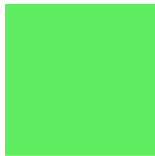
64.1409, 62.7309, 22.9150



Tritanopia

51.0554, 63.2796, 91.9614

Trichromacy



Original Color

37.1612, 63.8643, 21.6777



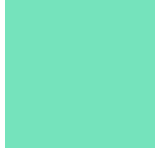
Protanomaly

46.5112, 61.3635, 19.2905



Deuteranomaly

49.0681, 59.9568, 22.0833



Tritanomaly

43.8823, 62.3509, 57.2990

Monochromacy



Original Color

37.1612, 63.8643, 21.6777



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.2918, 49.7744, 36.0230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1612, 63.8643, 21.6777 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(95, 237, 97)` looks like.

```
.text, #text, p{  
    color:rgb(95, 237, 97)  
}
```

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(95, 237, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 237, 97) }
```

Border

The CSS property to change the border of an element to XYZ 37.1612, 63.8643, 21.6777 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(95, 237, 97) }
```


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

```
.border{ border-color:rgb(95, 237, 97) }
```

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

Here you see how a box with a 4 pixel rgb(95, 237, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 237, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 237, 97);  
box-shadow:4px 4px 4px 4px rgb(95, 237,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1612, 63.8643, 21.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 237, 97) }
```

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

```
.background{ background-color: rgb(95, 237,  
97) }
```

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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