

Converting Colors

XYZ(37.4242, 63.9116, 27.0596)

Have a look what the booklet for
XYZ(37.4242, 63.9116, 27.0596)
contains.

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Color

**XYZ(37.4256, 63.8790,
27.1870)**

Conversions

Conversions Part 1

Format	Color
Hex	57ED75
RGB	87, 237, 117
RGB Percent	34%, 93%, 46%
CMY	0.6588, 0.0706, 0.5412
CMYK	0.63, 0.00, 0.51, 0.07
HSL	132°, 81%, 64%
HSV	132°, 63%, 93%
XYZ	37.4256, 63.8790, 27.1870
YIQ	178.4700, -50.8800, -69.1200

Conversions

Conversions Part 2

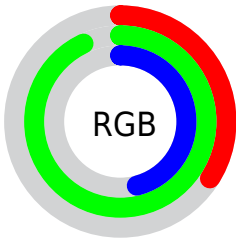
Format	Color
RYB	87, 212, 237
Decimal	5762421
CIELab	83.90, -64.14, 46.31
CIELCh	84, 79.107, 144.172
Yxy	63.8790, 0.2913, 0.4971
Android (android.graphics.Color)	4283952501 (0xFF57ED75)
YUV	178.4700, -30.3047, -80.2192
Hunter-Lab	79.9243, -56.2827, 35.7790

Details

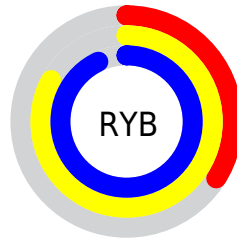
The XYZ color **37.4256, 63.8790, 27.1870** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **49.5977, 29.3271, 62.0799**, and the grayscale version is **42.7426, 44.9685, 48.9707**.

A 20% lighter version of the original color is **55.8732, 81.0396, 51.2255**, and **17.2754, 33.0242, 10.4648** is the 20% darker color. If you saturate the color by 10%, you get **34.5613, 62.5202, 21.8120**, and if you desaturate by 10%, it is **41.2449, 65.7076, 33.7880**.

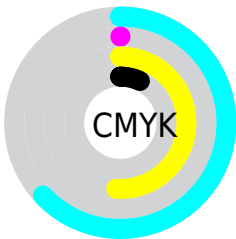
Distribution



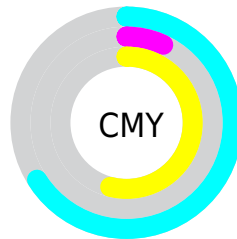
- Red (34%)
- Green (93%)
- Blue (46%)



- Red (34%)
- Yellow (83%)
- Blue (93%)



- Cyan (63%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)





- Cyan (66%)
- Magenta (7%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4256, 63.8790, 27.1870 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 37.4256, 63.8790, 27.1870 by changing the saturation by 10% instead.


 37.4256, 63.8790,
27.1870


 37.4256, 63.8790,
27.1870


326.4731,
438.7526, 302.3502


 25.7124, 46.5527,
17.4800


 70.5365, 110.4367,
56.1912


 16.7401, 32.6822,
10.4118


 92.6648, 140.4368,
76.3255

 10.1435, 21.8831,
5.5637


 118.9956,
175.4303, 100.7726

 5.5572, 13.7710,
2.5172

 149.8941,
215.8016, 129.9512

 2.6158, 7.9616,
0.8492

185.7258,
261.9351, 164.2797

 0.9540, 4.0704,
0.0000

226.8559,

 0.0000, 1.7130,

314.2151, 204.1766

0.0000

273.6499,
373.0262, 250.0606

■ 0.0000, 0.4321,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4256, 63.8790,
27.1870

■ 37.4256, 63.8790,
27.1870

■ 34.5613, 62.5202,
21.8120

■ 41.2449, 65.7076,
33.7880

■ 32.5594, 61.5798,
17.5830


■ 46.0913, 68.0364,
41.6799


■ 31.3163, 61.0077,
14.4171


■ 52.0350, 70.9019,
50.9280


■ 30.8067, 60.7794,
12.8400

■ 59.1387, 74.3354,
61.5922

 67.4605, 78.3654,
73.7285

 77.0544, 83.0188,
87.3900

 87.9710, 88.3205,
102.6273

 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.



48.0184, 63.8790, 13.6409



37.4256, 63.8790, 27.1870



33.1397, 63.8790, 60.2687

Triad

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



37.4256, 63.8790, 27.1870



57.3801, 63.8790, 215.0813



96.6450, 63.8790, 37.2300

Complementary

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



37.4256, 63.8790, 27.1870



49.5977, 29.3271, 62.0799

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.



100.4579, 63.8790, 79.7457



37.4256, 63.8790, 27.1870



75.4731, 63.8790, 198.7314

Square

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



37.4256, 63.8790, 27.1870



43.1589, 63.8790, 179.7735



92.0862, 63.8790, 142.0808



82.4838, 63.8790, 17.1966

Rectangle

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



37.4256, 63.8790, 27.1870



33.7075, 63.8790, 95.7526



92.0862, 63.8790, 142.0808



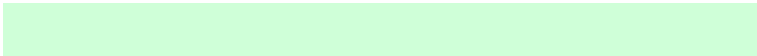
99.2799, 63.8790, 48.6304

Sweetspot

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



37.4272, 63.8816, 27.1884



73.7923, 89.6910, 78.5516



57.7390, 74.5250, 20.3588



15.2108, 18.9149, 15.9567



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.



37.4272, 63.8816, 27.1884



39.9952, 73.4378, 24.1137



43.7309, 66.4031, 60.3835



14.9915, 16.9114, 16.6380



16.8557, 33.1968, 7.2053



1.3571, 2.6201, 0.7421

Inverse Universe

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



49.5977, 29.3271, 62.0799



55.3450, 29.5891, 67.9219



42.4999, 26.4880, 24.7034



15.5782, 15.2591, 18.3300



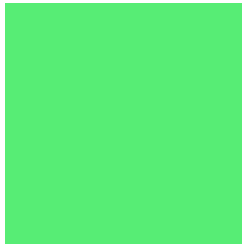
24.1662, 11.8692, 27.7402



1.9304, 0.9451, 2.3508

Previews

White Background



This preview shows how the XYZ color 37.4256, 63.8790, 27.1870 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 37.4256, 63.8790, 27.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

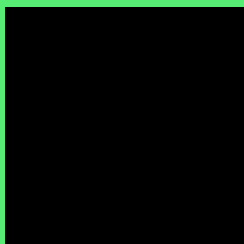
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

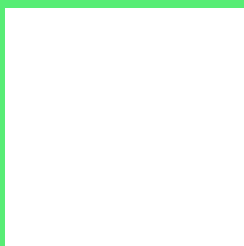
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4256, 63.8790, 27.1870

Background



This preview shows how black text looks on a background with the XYZ color 37.4256, 63.8790, 27.1870.

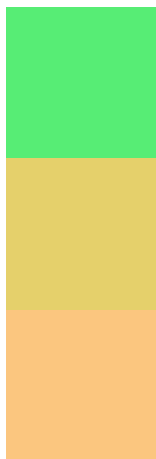


This preview shows how white text looks on a background with the XYZ color 37.4256, 63.8790,

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

37.4256, 63.8790, 27.1870

Protanopia

57.5228, 62.8313, 23.0058

Deuteranopia

63.8085, 62.4297, 28.7657



Tritanopia

50.2909, 63.2638, 92.7796

Trichromacy



Original Color

37.4256, 63.8790, 27.1870



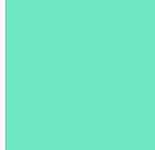
Protanomaly

46.3322, 61.1578, 24.4016



Deuteranomaly

48.6045, 59.5934, 27.6798



Tritanomaly

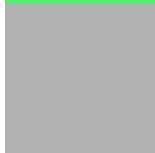
44.0139, 62.7235, 62.0116

Monochromacy



Original Color

37.4256, 63.8790, 27.1870



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.1012, 49.2669, 38.9538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4256, 63.8790, 27.1870 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(87, 237, 117)` looks like.

```
.text, #text, p{  
    color:rgb(87, 237, 117)  
}
```

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(87, 237, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 237, 117) }
```

Border

The CSS property to change the border of an element to XYZ 37.4256, 63.8790, 27.1870 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(87, 237, 117) }
```


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

```
.border{ border-color:rgb(87, 237, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 237, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 237, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 237, 117);  
box-shadow:4px 4px 4px 4px rgb(87, 237,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4256, 63.8790, 27.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 237, 117) }
```

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

```
.background{ background-color: rgb(87, 237,  
117) }
```

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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