

Converting Colors

XYZ(37.8799, 57.7937, 25.4380)

Have a look what the booklet for
XYZ(37.8799, 57.7937, 25.4380)
contains.

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Color

**XYZ(37.9682, 57.9924,
25.4122)**

Conversions

Conversions Part 1

Format	Color
Hex	7FDE73
RGB	127, 222, 115
RGB Percent	50%, 87%, 45%
CMY	0.5020, 0.1294, 0.5490
CMYK	0.43, 0.00, 0.48, 0.13
HSL	113°, 62%, 66%
HSV	113°, 48%, 87%
XYZ	37.9682, 57.9924, 25.4122
YIQ	181.3970, -22.2730, -53.4170

Conversions

Conversions Part 2

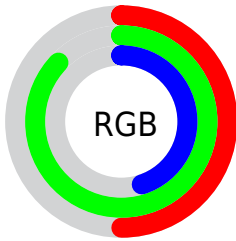
Format	Color
RYB	115, 222, 210
Decimal	8380019
CIELab	80.73, -48.72, 43.65
CIElCh	81, 65.411, 138.144
Yxy	57.9924, 0.3128, 0.4778
Android (android.graphics.Color)	4286570099 (0xFF7FDE73)
YUV	181.3970, -32.7337, -47.7062
Hunter-Lab	76.1527, -44.2708, 33.5218

Details

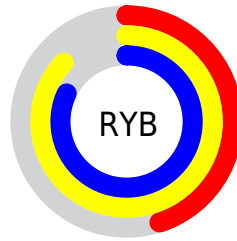
The XYZ color **37.9682, 57.9924, 25.4122** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **45.8968, 31.2390, 72.7210**, and the grayscale version is **44.3177, 46.6257, 50.7754**.

A 20% lighter version of the original color is **62.6886, 84.5749, 50.5567**, and **17.0874, 28.9447, 9.5368** is the 20% darker color. If you saturate the color by 10%, you get **34.1878, 56.1755, 19.3512**, and if you desaturate by 10%, it is **42.6334, 60.2333, 33.1227**.

Distribution



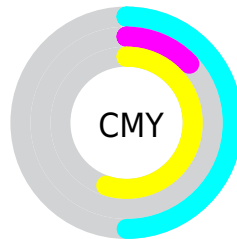
- Red (50%)
- Green (87%)
- Blue (45%)



- Red (45%)
- Yellow (87%)
- Blue (82%)



- Cyan (43%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)



- Cyan (50%)
- Magenta (13%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9682, 57.9924, 25.4122 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 37.9682, 57.9924, 25.4122 by changing the saturation by 10% instead.

■ 37.9682, 57.9924,
25.4122

■ 37.9682, 57.9924,
25.4122

328.7668,
417.1576, 293.3977

■ 26.1351, 41.8025,
16.1626

■ 71.3636, 101.9118,
53.2975

■ 17.0580, 28.9467,
9.4837

■ 93.6566, 130.4101,
72.7704

■ 10.3714, 19.0405,
4.9569

■ 120.1670,
163.7800, 96.4880

■ 5.7100, 11.6996,
2.1637

151.2601,
202.4060, 124.8690

■ 2.7085, 6.5394,
0.6533

187.3013,
246.6723, 158.3320

■ 1.0016, 3.1758,
0.0000

228.6559,

■ 0.0000, 1.2242,

296.9634, 197.2954

0.0000

275.6892,
353.6637, 242.1778

■ 0.0000, 0.0813,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9682, 57.9924,
25.4122

■ 37.9682, 57.9924,
25.4122

■ 34.1878, 56.1755,
19.3512

■ 42.6334, 60.2333,
33.1227

■ 31.2317, 54.7489,
14.8160


■ 48.2303, 62.9149,
42.5868


■ 29.0389, 53.6858,
11.6719


■ 54.8074, 66.0619,
53.9045


■ 27.5375, 52.9526,
9.7586


■ 62.4088, 69.6949,
67.1672

 26.6355, 52.5069,
8.8459

 71.0758, 73.8333,
82.4604

 26.5207, 52.4502,
8.7261

 80.8474, 78.4957,
99.8644

 85.4125, 80.7249,
105.6875

Harmonies

Analogous

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



47.4300, 57.9924, 15.5876



37.9682, 57.9924, 25.4122



33.4307, 57.9924, 49.0770

Triad

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



37.9682, 57.9924, 25.4122



49.9603, 57.9924, 167.3299



83.6287, 57.9924, 42.7190

Complementary

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



37.9682, 57.9924, 25.4122



45.8968, 31.2390, 72.7210

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.



84.6049, 57.9924, 79.6705



37.9682, 57.9924, 25.4122



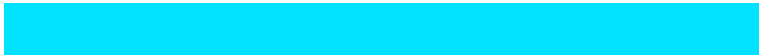
63.5993, 57.9924, 163.3232

Square

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



37.9682, 57.9924, 25.4122



39.5593, 57.9924, 136.2174



76.7871, 57.9924, 126.8213



74.3046, 57.9924, 22.3987

Rectangle

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



37.9682, 57.9924, 25.4122



33.2220, 57.9924, 74.2640



76.7871, 57.9924, 126.8213



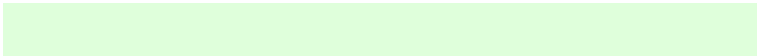
84.9938, 57.9924, 53.1932

Sweetspot

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



37.9696, 57.9949, 25.4135



79.1106, 92.3864, 80.8879



56.1487, 62.6251, 25.3491



16.4620, 19.5494, 16.4938



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.



37.9696, 57.9949, 25.4135



46.6856, 76.8452, 26.3095



39.1955, 58.2909, 40.6469



13.6708, 15.4104, 14.5608



15.7985, 31.1770, 5.1851



1.1435, 2.1860, 0.3617

Inverse Universe

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



45.8968, 31.2390, 72.7210



58.7181, 36.0056, 98.4627



44.5958, 31.1281, 47.3671



14.1358, 13.8535, 17.3166



21.5847, 10.2226, 41.8839



1.5398, 0.7311, 2.9052

Previews

White Background



This preview shows how the XYZ color 37.9682, 57.9924, 25.4122 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 37.9682, 57.9924, 25.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

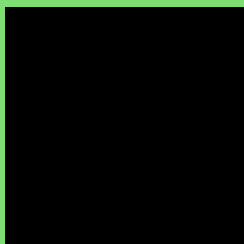
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9682, 57.9924, 25.4122

Background



This preview shows how black text looks on a background with the XYZ color 37.9682, 57.9924, 25.4122.



This preview shows how white text looks on a background with the XYZ color 37.9682, 57.9924,

25.4122.

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

37.9682, 57.9924, 25.4122

Protanopia

52.2907, 56.9685, 22.1499

Deuteranopia

58.2642, 56.9577, 26.6620



Tritanopia

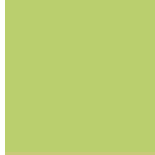
48.9868, 57.8801, 80.5416

Trichromacy



Original Color

37.9682, 57.9924, 25.4122



Protanomaly

45.3770, 56.1905, 23.2061



Deuteranomaly

48.3301, 55.8765, 26.0073



Tritanomaly

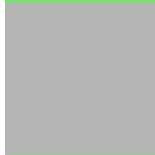
43.7247, 57.2138, 55.1932

Monochromacy



Original Color

37.9682, 57.9924, 25.4122



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.5237, 49.4912, 39.3152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9682, 57.9924, 25.4122 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, 222, 115)` looks like.

```
.text, #text, p{  
    color:rgb(127, 222, 115)  
}
```

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, 222, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 222, 115) }
```

Border

The CSS property to change the border of an element to XYZ 37.9682, 57.9924, 25.4122 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, 222, 115) }
```


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

```
.border{ border-color:rgb(127, 222, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 222, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 222, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 222, 115);  
box-shadow:4px 4px 4px 4px rgb(127, 222,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9682, 57.9924, 25.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 222, 115) }
```

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

```
.background{ background-color: rgb(127,  
222, 115) }
```

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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