

Converting Colors

XYZ(37.5440, 59.7211, 27.2702)

Have a look what the booklet for
XYZ(37.5440, 59.7211, 27.2702)
contains.

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Color

**XYZ(37.5413, 59.7390,
27.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	70E378
RGB	112, 227, 120
RGB Percent	44%, 89%, 47%
CMY	0.5608, 0.1098, 0.5294
CMYK	0.51, 0.00, 0.47, 0.11
HSL	124°, 67%, 66%
HSV	124°, 51%, 89%
XYZ	37.5413, 59.7390, 27.3214
YIQ	180.4170, -34.1930, -57.6570

Conversions

Conversions Part 2

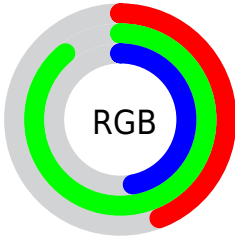
Format	Color
RYB	112, 220, 227
Decimal	7398264
CIELab	81.70, -54.25, 42.29
CIELCh	82, 68.788, 142.059
Yxy	59.7390, 0.3013, 0.4794
Android (android.graphics.Color)	4285588344 (0xFF70E378)
YUV	180.4170, -29.7856, -60.0017
Hunter-Lab	77.2910, -48.5594, 33.1454

Details

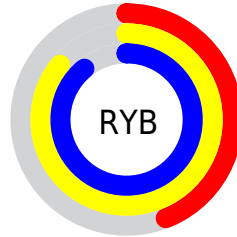
The XYZ color **37.5413, 59.7390, 27.3214** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.2606, 33.0347, 70.7466**, and the grayscale version is **43.7763, 46.0561, 50.1550**.

A 20% lighter version of the original color is **60.1946, 83.2339, 52.9376**, and **16.9037, 30.2085, 10.5701** is the 20% darker color. If you saturate the color by 10%, you get **33.8655, 57.9779, 21.1808**, and if you desaturate by 10%, it is **42.2308, 61.9935, 34.9877**.

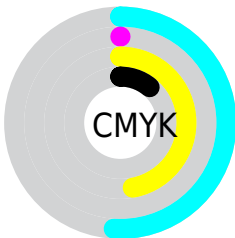
Distribution



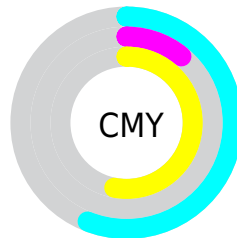
- Red (44%)
- Green (89%)
- Blue (47%)



- Red (44%)
- Yellow (86%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)



- Cyan (56%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5413, 59.7390, 27.3214 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 37.5413, 59.7390, 27.3214 by changing the saturation by 10% instead.

37.5413, 59.7390,
27.3214

37.5413, 59.7390,
27.3214

326.9631,
423.6351, 303.0192

25.8025, 43.2083,
17.5802

70.7130, 104.4510,
56.4092

16.8078, 30.0486,
10.4827

92.8765, 133.4010,
76.5928

10.1920, 19.8755,
5.6104

119.2457,
167.2596, 101.0943

5.5897, 12.3046,
2.5447

150.1858,
206.4112, 130.3323

2.6355, 6.9514,
0.8637

186.0623,
251.2401, 164.7252

0.9641, 3.4318,
0.0000

227.2404,

0.0000, 1.3611,

302.1308, 204.6916

0.0000

274.0856,
359.4677, 250.6501

■ 0.0000, 0.1878,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5413, 59.7390,
27.3214

■ 37.5413, 59.7390,
27.3214

■ 33.8655, 57.9779,
21.1808

■ 42.2308, 61.9935,
34.9877

■ 31.1243, 56.6664,
16.4602


■ 47.9967, 64.7665,
44.2680


■ 29.2342, 55.7657,
13.0470


■ 54.9017, 68.0902,
55.2485

■ 28.0949, 55.2266,
10.8099

■ 63.0026, 71.9924,
68.0084

 27.5623, 54.9774,
9.6413

 72.3522, 76.4985,
82.6216

 83.0003, 81.6328,
99.1580

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



46.9579, 59.7390, 15.6160



37.5413, 59.7390, 27.3214



33.4396, 59.7390, 54.6458

Triad

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



37.5413, 59.7390, 27.3214



53.0221, 59.7390, 180.1984



86.6700, 59.7390, 39.4725

Complementary

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



37.5413, 59.7390, 27.3214



50.2606, 33.0347, 70.7466

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.



89.0379, 59.7390, 76.6877



37.5413, 59.7390, 27.3214



67.8846, 59.7390, 170.3826

Square

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



37.5413, 59.7390, 27.3214



41.3325, 59.7390, 150.3071



81.6730, 59.7390, 127.3755



75.6644, 59.7390, 20.2664

Rectangle

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



37.5413, 59.7390, 27.3214



33.6841, 59.7390, 83.1554



81.6730, 59.7390, 127.3755



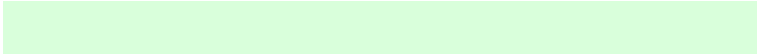
88.5700, 59.7390, 49.7767

Sweetspot

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



37.5428, 59.7415, 27.3227



77.1415, 91.3696, 80.8726



59.7100, 71.2229, 25.9297



16.0363, 19.3280, 16.5612



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.



37.5428, 59.7415, 27.3227



43.7843, 75.3298, 27.0625



42.1052, 61.5664, 51.3479



14.2298, 16.1053, 15.4749



16.0890, 32.0677, 5.7032



1.2033, 2.3754, 0.4970

Inverse Universe

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



50.2606, 33.0347, 70.7466



62.1005, 36.8116, 89.5607



43.9811, 30.5229, 37.6793



14.9495, 14.5970, 17.9347



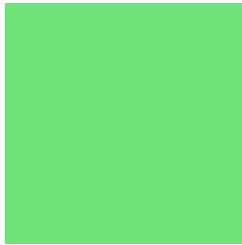
25.3653, 12.2803, 37.1481



1.8875, 0.9127, 2.8140

Previews

White Background



This preview shows how the XYZ color 37.5413, 59.7390, 27.3214 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 37.5413, 59.7390, 27.3214 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 37.5413, 59.7390, 27.3214

Background



This preview shows how black text looks on a background with the XYZ color 37.5413, 59.7390, 27.3214.

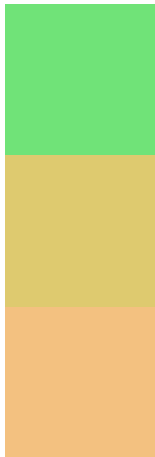


This preview shows how white text looks on a background with the XYZ color 37.5413, 59.7390,

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

37.5413, 59.7390, 27.3214

Protanopia

54.1140, 58.9184, 23.5592

Deuteranopia

59.9284, 58.7531, 28.6040



Tritanopia

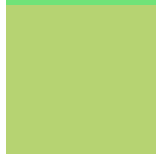
48.9286, 59.2377, 85.1991

Trichromacy



Original Color

37.5413, 59.7390, 27.3214



Protanomaly

45.6229, 57.7485, 24.6616



Deuteranomaly

48.0387, 56.7454, 27.8231



Tritanomaly

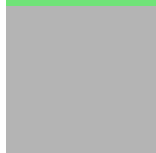
43.6376, 59.0138, 58.3811

Monochromacy



Original Color

37.5413, 59.7390, 27.3214



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.6554, 49.3697, 39.7870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5413, 59.7390, 27.3214 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, 227, 120)` looks like.

```
.text, #text, p{  
    color:rgb(112, 227, 120)  
}
```

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, 227, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 227, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.5413, 59.7390, 27.3214 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, 227, 120) }
```


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

```
.border{ border-color:rgb(112, 227, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 227, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 227, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 227, 120);  
box-shadow:4px 4px 4px 4px rgb(112, 227,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5413, 59.7390, 27.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 227, 120) }
```

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

```
.background{ background-color: rgb(112,  
227, 120) }
```

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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