

Converting Colors

XYZ(37.8205, 60.7815, 27.3756)

Have a look what the booklet for
XYZ(37.8205, 60.7815, 27.3756)
contains.

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Color

**XYZ(37.8399, 60.7097,
27.4931)**

Conversions

Conversions Part 1

Format	Color
Hex	6EE578
RGB	110, 229, 120
RGB Percent	43%, 90%, 47%
CMY	0.5686, 0.1019, 0.5294
CMYK	0.52, 0.00, 0.48, 0.10
HSL	125°, 70%, 66%
HSV	125°, 52%, 90%
XYZ	37.8399, 60.7097, 27.4931
YIQ	180.9930, -35.9350, -59.1270

Conversions

Conversions Part 2

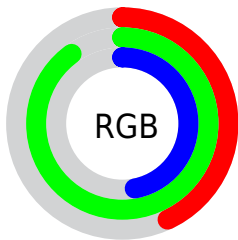
Format	Color
RYB	110, 220, 229
Decimal	7267704
CIELab	82.22, -55.55, 42.94
CIELCh	82, 70.209, 142.296
Yxy	60.7097, 0.3002, 0.4817
Android (android.graphics.Color)	4285457784 (0xFF6EE578)
YUV	180.9930, -30.0695, -62.2609
Hunter-Lab	77.9164, -49.6657, 33.6208

Details

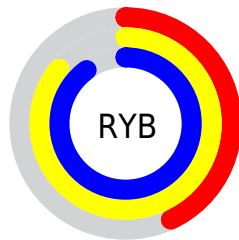
The XYZ color **37.8399, 60.7097, 27.4931** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.6770, 32.9254, 70.7037**, and the grayscale version is **44.0899, 46.3860, 50.5144**.

A 20% lighter version of the original color is **59.7622, 83.0110, 52.9173**, and **16.9089, 30.4926, 10.6247** is the 20% darker color. If you saturate the color by 10%, you get **34.2138, 58.9735, 21.3910**, and if you desaturate by 10%, it is **42.4840, 62.9420, 35.1009**.

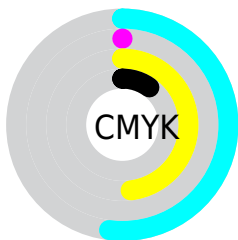
Distribution



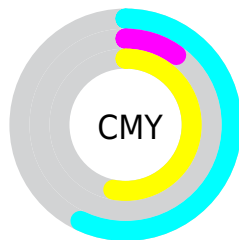
- Red (43%)
- Green (90%)
- Blue (47%)



- Red (43%)
- Yellow (86%)
- Blue (90%)



- Cyan (52%)
- Magenta (0%)
- Yellow (48%)
- Black (10%)





- Cyan (57%)
- Magenta (10%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8399, 60.7097, 27.4931 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 37.8399, 60.7097, 27.4931 by changing the saturation by 10% instead.

 37.8399, 60.7097,
27.4931


 37.8399, 60.7097,
27.4931


328.2254,
427.2088, 303.8721

 26.0351, 43.9909,
17.7082


 71.1682, 105.8585,
56.6874

 16.9827, 30.6634,
10.5734

 93.4223, 135.0573,
76.9340

 10.3174, 20.3427,
5.6702


 119.8904,
169.1849, 101.5048

 5.6738, 12.6444,
2.5801

150.9376,
208.6257, 130.8184

 2.6865, 7.1841,
0.8822

186.9293,
253.7641, 165.2935

 0.9902, 3.5775,
0.0000

228.2310,

 0.0000, 1.4402,

304.9845, 205.3484

0.0000

275.2079,
362.6713, 251.4018

■ 0.0000, 0.2460,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.8399, 60.7097,
27.4931

■ 37.8399, 60.7097,
27.4931

■ 34.2138, 58.9735,
21.3910

■ 42.4840, 62.9420,
35.1009

■ 31.5249, 57.6885,
16.6909


■ 48.2101, 65.6962,
44.3009


■ 29.6874, 56.8148,
13.2825


■ 55.0822, 69.0053,
55.1779


■ 28.5975, 56.3015,
11.0371

■ 63.1581, 72.8974,
67.8094

 28.1402, 56.0889,
9.9703

 72.4916, 77.3986,
82.2682

 83.1335, 82.5337,
98.6229

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



47.4823, 60.7097, 15.4825



37.8399, 60.7097, 27.4931



33.6738, 60.7097, 55.6829

Triad

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



37.8399, 60.7097, 27.4931



53.9395, 60.7097, 185.6310



88.5471, 60.7097, 39.5595

Complementary

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



37.8399, 60.7097, 27.4931



50.6770, 32.9254, 70.7037

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.



91.0817, 60.7097, 77.7471



37.8399, 60.7097, 27.4931



69.2937, 60.7097, 175.0793

Square

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



37.8399, 60.7097, 27.4931



41.8666, 60.7097, 154.8182



83.5255, 60.7097, 130.2090



77.1000, 60.7097, 20.0589

Rectangle

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



37.8399, 60.7097, 27.4931



33.9535, 60.7097, 85.2031



83.5255, 60.7097, 130.2090



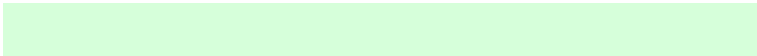
90.5412, 60.7097, 50.0939

Sweetspot

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



37.8414, 60.7122, 27.4945



76.1564, 90.8888, 79.6050



60.0748, 72.2405, 25.5297



15.8451, 19.2344, 16.3261



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.



37.8414, 60.7122, 27.4945



43.5038, 75.1858, 27.0250



42.6303, 62.6278, 52.7122



14.2383, 16.1087, 15.5194



16.1063, 32.0746, 5.7942



1.2073, 2.3770, 0.5183

Inverse Universe

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



50.6770, 32.9254, 70.7037



61.4892, 36.1844, 87.5212



44.1995, 30.3344, 36.5936



14.9401, 14.5932, 17.8850



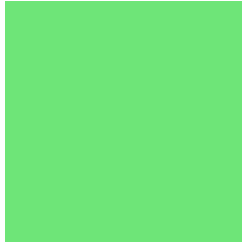
25.1306, 12.1864, 35.9121



1.8726, 0.9067, 2.7354

Previews

White Background



This preview shows how the XYZ color 37.8399, 60.7097, 27.4931 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 37.8399, 60.7097, 27.4931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

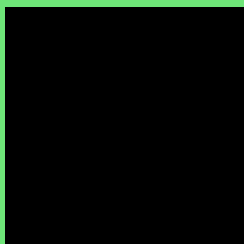
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8399, 60.7097, 27.4931

Background



This preview shows how black text looks on a background with the XYZ color 37.8399, 60.7097, 27.4931.

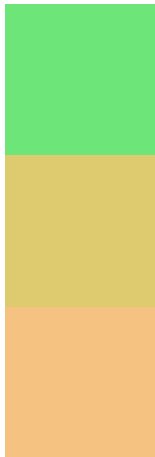


This preview shows how white text looks on a background with the XYZ color 37.8399, 60.7097,

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

37.8399, 60.7097, 27.4931

Protanopia

54.6566, 59.5475, 23.6520

Deuteranopia

60.9104, 59.5810, 29.0588



Tritanopia

49.5605, 60.2865, 86.8662

Trichromacy



Original Color

37.8399, 60.7097, 27.4931



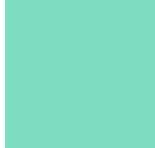
Protanomaly

45.8721, 58.2470, 24.7447



Deuteranomaly

48.8437, 57.8678, 28.3339



Tritanomaly

44.2345, 60.0752, 59.7163

Monochromacy



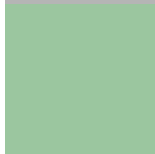
Original Color

37.8399, 60.7097, 27.4931



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.9697, 49.8599, 40.3182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8399, 60.7097, 27.4931 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(110, 229, 120)` looks like.

```
.text, #text, p{  
    color:rgb(110, 229, 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(110, 229, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 229, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.8399, 60.7097, 27.4931 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(110, 229, 120) }
```


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

```
.border{ border-color:rgb(110, 229, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 229, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 229, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 229, 120);  
box-shadow:4px 4px 4px 4px rgb(110, 229,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8399, 60.7097, 27.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 229, 120) }
```

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

```
.background{ background-color: rgb(110,  
229, 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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