

Converting Colors

XYZ(37.7427, 62.7431, 27.8907)

Have a look what the booklet for
XYZ(37.7427, 62.7431, 27.8907)
contains.

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Color

**XYZ(37.7427, 62.7431,
27.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	61EA78
RGB	97, 234, 120
RGB Percent	38%, 92%, 47%
CMY	0.6196, 0.0823, 0.5294
CMYK	0.59, 0.00, 0.49, 0.08
HSL	130°, 77%, 65%
HSV	130°, 59%, 92%
XYZ	37.7427, 62.7431, 27.8907
YIQ	180.0410, -45.0580, -64.4980

Conversions

Conversions Part 2

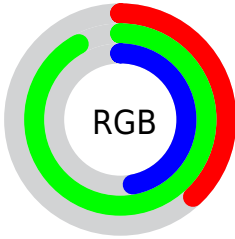
Format	Color
RYB	97, 214, 234
Decimal	6417016
CIELab	83.31, -60.54, 44.20
CIELCh	83, 74.958, 143.865
Yxy	62.7431, 0.2940, 0.4887
Android (android.graphics.Color)	4284607096 (0xFF61EA78)
YUV	180.0410, -29.6002, -72.8270
Hunter-Lab	79.2105, -53.5657, 34.5709

Details

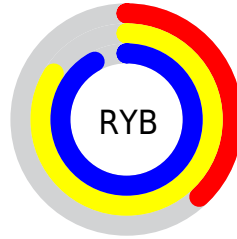
The XYZ color **37.7427, 62.7431, 27.8907** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **49.9660, 30.7459, 64.9303**, and the grayscale version is **43.5770, 45.8464, 49.9267**.

A 20% lighter version of the original color is **57.5005, 81.8451, 52.8115**, and **16.9035, 31.9328, 10.7416** is the 20% darker color. If you saturate the color by 10%, you get **34.5435, 61.2186, 22.1877**, and if you desaturate by 10%, it is **41.9205, 64.7479, 34.8965**.

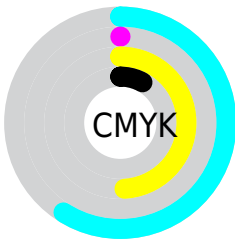
Distribution



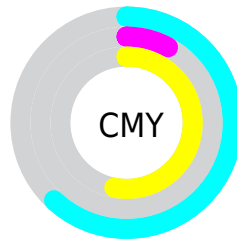
- Red (38%)
- Green (92%)
- Blue (47%)



- Red (38%)
- Yellow (84%)
- Blue (92%)



- Cyan (59%)
- Magenta (0%)
- Yellow (49%)
- Black (8%)



- Cyan (62%)
- Magenta (8%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7427, 62.7431, 27.8907 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 37.7427, 62.7431, 27.8907 by changing the saturation by 10% instead.

37.7427, 62.7431,
27.8907

37.7427, 62.7431,
27.8907

327.8149,
434.6365, 305.8398

25.9594, 45.6334,
18.0050

71.0200, 108.7988,
57.3309

16.9258, 31.9566,
10.7841

93.2447, 138.5136,
77.7224

10.2765, 21.3284,
5.8095

119.6806,
173.1989, 102.4530

5.6464, 13.3642,
2.6627

150.6930,
213.2391, 131.9411

2.6699, 7.6798,
0.9246

186.6473,
259.0185, 166.6052

0.9817, 3.8908,
0.0000

227.9088,

0.0000, 1.6127,

310.9217, 206.8641

0.0000

274.8429,
369.3329, 253.1361

0.0000, 0.3661,
0.0000

0.0000, 0.0000,
0.0000

37.7427, 62.7431,
27.8907

37.7427, 62.7431,
27.8907

34.5435, 61.2186,
22.1877

41.9205, 64.7479,
34.8965

32.2368, 60.1263,
17.7029


47.1444, 67.2609,
43.2744


30.7290, 59.4217,
14.3484


53.4810, 70.3168,
53.0935


29.8866, 59.0381,
12.0218

60.9903, 73.9451,
64.4176

 29.7951, 58.9965,
11.7617

 69.7278, 78.1733,
77.3060

 79.7455, 83.0268,
91.8153

 88.7141, 87.3281,
106.7880

Harmonies

Analogous

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



47.8369, 62.7431, 14.7300



37.7427, 62.7431, 27.8907



33.5944, 62.7431, 59.1695

Triad

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



37.7427, 62.7431, 27.8907



56.3496, 62.7431, 201.9937



93.1192, 62.7431, 38.0654

Complementary

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



37.7427, 62.7431, 27.8907



49.9660, 30.7459, 64.9303

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.



96.5237, 62.7431, 78.3609



37.7427, 62.7431, 27.8907



73.2301, 62.7431, 187.6046

Square

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



37.7427, 62.7431, 27.8907



43.0030, 62.7431, 169.4224



88.6852, 62.7431, 136.0605



80.0833, 62.7431, 18.4538

Rectangle

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



37.7427, 62.7431, 27.8907



34.0971, 62.7431, 92.1527



88.6852, 62.7431, 136.0605



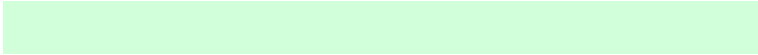
95.5161, 62.7431, 48.9919

Sweetspot

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



37.7443, 62.7457, 27.8921



74.5820, 90.0896, 78.9719



58.4946, 73.5853, 22.4298



15.3558, 18.9890, 15.9951



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.



37.7443, 62.7457, 27.8921



41.4064, 74.1275, 25.8898



43.4673, 65.0349, 58.0294



14.9715, 16.9034, 16.5328



16.7735, 33.1639, 6.7723



1.3476, 2.6163, 0.6922

Inverse Universe

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



49.9660, 30.7459, 64.9303



57.4538, 31.9359, 74.3920



43.1407, 28.0158, 28.9890



15.5999, 15.2678, 18.4443



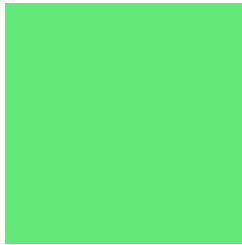
24.6255, 12.0529, 30.1588



1.9625, 0.9580, 2.5198

Previews

White Background



This preview shows how the XYZ color 37.7427, 62.7431, 27.8907 looks on a white background.

Color Contrast Check

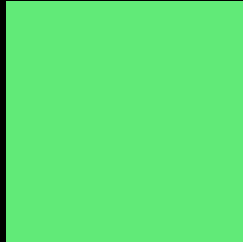
Large Text (above 18pt) WCAG AA × Fail

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 37.7427, 62.7431, 27.8907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

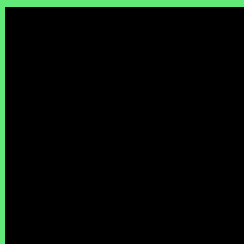
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

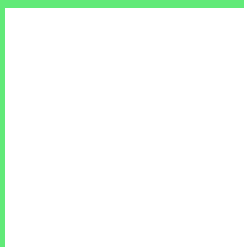
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7427, 62.7431, 27.8907

Background



This preview shows how black text looks on a background with the XYZ color 37.7427, 62.7431, 27.8907.

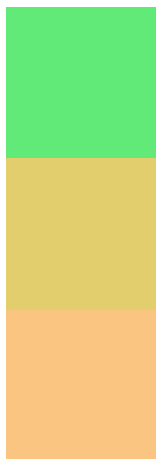


This preview shows how white text looks on a background with the XYZ color 37.7427, 62.7431,

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

37.7427, 62.7431, 27.8907

Protanopia

56.5643, 61.5993, 23.6604

Deuteranopia

62.9956, 61.6572, 29.3497



Tritanopia

50.3385, 62.5341, 91.0785

Trichromacy



Original Color

37.7427, 62.7431, 27.8907



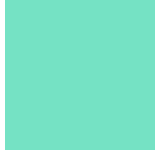
Protanomaly

46.4155, 60.0299, 25.0602



Deuteranomaly

49.0606, 59.0689, 28.5543



Tritanomaly

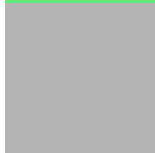
44.4963, 62.1601, 61.8775

Monochromacy



Original Color

37.7427, 62.7431, 27.8907



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.4035, 50.2612, 39.9724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7427, 62.7431, 27.8907 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(97, 234, 120)` looks like.

```
.text, #text, p{  
    color:rgb(97, 234, 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(97, 234, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 234, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.7427, 62.7431, 27.8907 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(97, 234, 120) }
```


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

```
.border{ border-color:rgb(97, 234, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 234, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 234, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 234, 120);  
box-shadow:4px 4px 4px 4px rgb(97, 234,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7427, 62.7431, 27.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 234, 120) }
```

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

```
.background{ background-color: rgb(97, 234,  
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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