

Converting Colors

XYZ(42.4451, 67.2778, 27.9212)

Have a look what the booklet for
XYZ(42.4451, 67.2778, 27.9212)
contains.

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Color

**XYZ(42.4487, 67.3261,
27.8975)**

Conversions

Conversions Part 1

Format	Color
Hex	7CEF76
RGB	124, 239, 118
RGB Percent	49%, 94%, 46%
CMY	0.5137, 0.0627, 0.5372
CMYK	0.48, 0.00, 0.51, 0.06
HSL	117°, 79%, 70%
HSV	117°, 51%, 94%
XYZ	42.4487, 67.3261, 27.8975
YIQ	190.8210, -29.6990, -62.0110

Conversions

Conversions Part 2

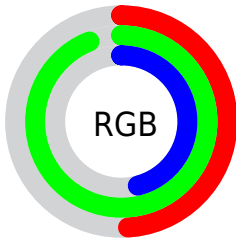
Format	Color
RYB	118, 239, 233
Decimal	8187766
CIELab	85.67, -56.04, 48.26
CIELCh	86, 73.955, 139.263
Yxy	67.3261, 0.3083, 0.4890
Android (android.graphics.Color)	4286377846 (0xFF7CEF76)
YUV	190.8210, -35.9008, -58.6020
Hunter-Lab	82.0525, -51.2474, 37.2784

Details

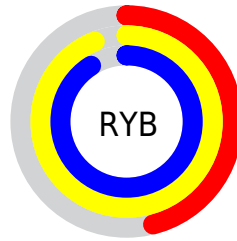
The XYZ color **42.4487, 67.3261, 27.8975** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.6661, 36.5148, 85.7791**, and the grayscale version is **49.6328, 52.2175, 56.8649**.

A 20% lighter version of the original color is **62.7348, 84.5658, 52.0461**, and **19.6979, 34.8734, 10.8473** is the 20% darker color. If you saturate the color by 10%, you get **38.2916, 65.3289, 21.2055**, and if you desaturate by 10%, it is **47.7250, 69.8627, 36.5228**.

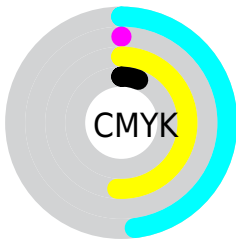
Distribution



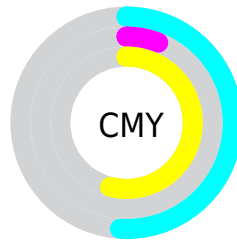
- Red (49%)
- Green (94%)
- Blue (46%)



- Red (46%)
- Yellow (94%)
- Blue (91%)



- Cyan (48%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)





- Cyan (51%)
- Magenta (6%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4487, 67.3261, 27.8975 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 42.4487, 67.3261, 27.8975 by changing the saturation by 10% instead.


 42.4487, 67.3261,
27.8975


 42.4487, 67.3261,
27.8975


347.2997,
451.1046, 305.8733


 29.6454, 49.3497,
18.0100


 78.1392, 115.3876,
57.3419

 19.7164, 34.8970,
10.7877


 101.7571,
146.2414, 77.7359

 12.2961, 23.5835,
5.8119


 129.7106,
182.1565, 102.4692

 7.0193, 15.0250,
2.6641

162.3651,
223.5172, 131.9602

 3.5206, 8.8369,
0.9253

200.0859,
270.7080, 166.6276

 1.4347, 4.6350,
0.0000

243.2383,

 0.2807, 2.0347,

324.1133, 206.8899

0.0000

292.1878,
384.1173, 253.1656

■ 0.0000, 0.6275,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4487, 67.3261,
27.8975

■ 42.4487, 67.3261,
27.8975

■ 38.2916, 65.3289,
21.2055

■ 47.7250, 69.8627,
36.5228

■ 35.1685, 63.8243,
16.2937

■ 54.1880, 72.9646,
47.2099


■ 32.9897, 62.7719,
12.9935


■ 61.9057, 76.6663,
60.0815

■ 31.6482, 62.1208,
11.1020

■ 70.9395, 80.9971,
75.2494

 31.0173, 61.8128,
10.2963

 81.3469, 85.9842,
92.8178

 90.1579, 90.2157,
107.2693

Harmonies

Analogous

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



53.8876, 67.3261, 15.9707



42.4487, 67.3261, 27.8975



37.1470, 67.3261, 57.3433

Triad

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



42.4487, 67.3261, 27.8975



58.1433, 67.3261, 207.4744



99.7064, 67.3261, 46.7601

Complementary

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



42.4487, 67.3261, 27.8975



55.6661, 36.5148, 85.7791

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.



101.3911, 67.3261, 91.9876



42.4487, 67.3261, 27.8975



75.2854, 67.3261, 200.4134

Square

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



42.4487, 67.3261, 27.8975



45.0919, 67.3261, 168.4792



91.8121, 67.3261, 152.0585



87.5479, 67.3261, 23.0828

Rectangle

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



42.4487, 67.3261, 27.8975



37.0464, 67.3261, 89.2782



91.8121, 67.3261, 152.0585



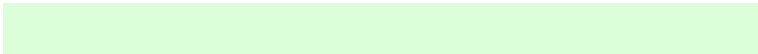
101.5881, 67.3261, 59.3635

Sweetspot

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



42.4504, 67.3289, 27.8990



77.3589, 91.5219, 79.0635



67.9944, 77.9117, 28.5954



16.0876, 19.3640, 16.1334



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.



42.4504, 67.3289, 27.8990



44.1163, 75.5652, 24.1779



45.8296, 68.5835, 50.0812



15.6384, 17.6937, 16.7407



17.1714, 34.1737, 5.6912



1.4538, 2.8560, 0.4746

Inverse Universe

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



55.6661, 36.5148, 85.7791



61.0148, 36.0562, 98.3514



50.7869, 34.7932, 49.6915



16.3723, 15.9892, 19.9449



26.1770, 12.5001, 46.1610



2.2013, 1.0521, 3.8413

Previews

White Background



This preview shows how the XYZ color 42.4487, 67.3261, 27.8975 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 42.4487, 67.3261, 27.8975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

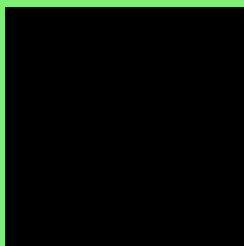
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

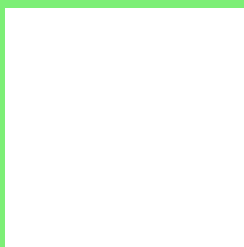
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4487, 67.3261, 27.8975

Background



This preview shows how black text looks on a background with the XYZ color 42.4487, 67.3261, 27.8975.



This preview shows how white text looks on a background with the XYZ color 42.4487, 67.3261,

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

42.4487, 67.3261, 27.8975

Protanopia

60.8155, 66.3548, 24.0704

Deuteranopia

67.2768, 66.2233, 32.5291



Tritanopia

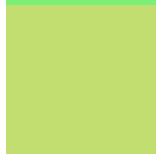
55.6806, 66.8055, 94.7541

Trichromacy



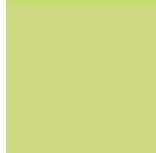
Original Color

42.4487, 67.3261, 27.8975



Protanomaly

51.5516, 65.0145, 25.1612



Deuteranomaly

54.5074, 64.4761, 30.3412



Tritanomaly

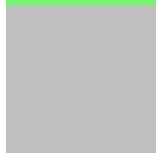
49.4744, 66.3336, 63.6222

Monochromacy



Original Color

42.4487, 67.3261, 27.8975



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.1931, 56.0076, 43.5506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4487, 67.3261, 27.8975 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(124, 239, 118)` looks like.

```
.text, #text, p{  
    color:rgb(124, 239, 118)  
}
```

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(124, 239, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 239, 118) }
```

Border

The CSS property to change the border of an element to XYZ 42.4487, 67.3261, 27.8975 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(124, 239, 118) }
```


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

```
.border{ border-color:rgb(124, 239, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 239, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 239, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 239, 118); box-shadow:4px 4px 4px 4px rgb(124, 239, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4487, 67.3261, 27.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 239, 118) }
```

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

```
.background{ background-color: rgb(124,  
239, 118) }
```

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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