

Converting Colors

XYZ(42.7935, 59.6672, 17.1342)

Have a look what the booklet for
XYZ(42.7935, 59.6672, 17.1342)
contains.

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Color

**XYZ(42.7531, 59.4726,
17.0106)**

Conversions

Conversions Part 1

Format	Color
Hex	A7DB51
RGB	167, 219, 81
RGB Percent	65%, 86%, 32%
CMY	0.3451, 0.1412, 0.6823
CMYK	0.24, 0.00, 0.63, 0.14
HSL	83°, 66%, 59%
HSV	83°, 63%, 86%
XYZ	42.7531, 59.4726, 17.0106
YIQ	187.7200, 13.3060, -53.9420

Conversions

Conversions Part 2

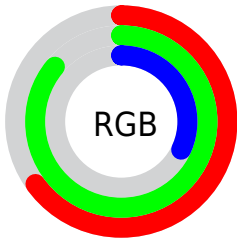
Format	Color
R_{YB}	81, 219, 133
Decimal	11000657
CIE Lab	81.55, -37.38, 60.47
CIE LCh	82, 71.092, 121.718
Yxy	59.4726, 0.3586, 0.4988
Android (android.graphics.Color)	4289190737 (0xFFA7DB51)
YUV	187.7200, -52.6130, -18.1714
Hunter-Lab	77.1185, -36.0001, 40.9049

Details

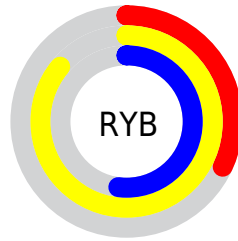
The XYZ color **42.7531, 59.4726, 17.0106** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **25.4039, 15.9875, 68.7682**, and the grayscale version is **47.9263, 50.4222, 54.9098**.

A 20% lighter version of the original color is **71.2553, 89.3051, 36.7746**, and **19.9485, 29.9774, 5.3509** is the 20% darker color. If you saturate the color by 10%, you get **40.3728, 58.3275, 13.2823**, and if you desaturate by 10%, it is **45.5123, 60.7862, 22.1411**.

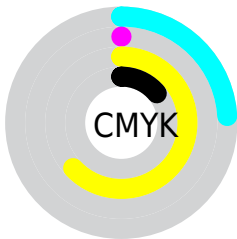
Distribution



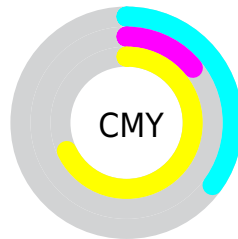
- Red (65%)
- Green (86%)
- Blue (32%)



- Red (32%)
- Yellow (86%)
- Blue (52%)



- Cyan (24%)
- Magenta (0%)
- Yellow (63%)
- Black (14%)



- Cyan (35%)
- Magenta (14%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7531, 59.4726, 17.0106 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 42.7531, 59.4726, 17.0106 by changing the saturation by 10% instead.

■ 42.7531, 59.4726,
17.0106

■ 42.7531, 59.4726,
17.0106

348.5342,
422.6511, 247.2795

■ 29.8851, 42.9937,
10.0800

■ 78.5962, 104.0642,
39.1349

■ 19.8990, 29.8802,
5.3457

■ 102.3020,
132.9457, 55.1657

■ 12.4295, 19.7476,
2.3893

■ 130.3511,
166.7302, 75.0670

■ 7.1112, 12.2117,
0.7806

■ 163.1090,
205.8020, 99.2573

■ 3.5787, 6.8880,
0.0000

■ 200.9408,
250.5457, 128.1551

■ 1.4667, 3.3922,
0.0000

244.2121,

■ 0.3030, 1.3397,

301.3454, 162.1791

0.0000

293.2881,
358.5858, 201.7477

■ 0.0000, 0.1717,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7531, 59.4726,
17.0106

■ 42.7531, 59.4726,
17.0106

■ 40.3728, 58.3275,
13.2823

■ 45.5123, 60.7862,
22.1411

■ 38.3387, 57.3314,
10.8125


■ 48.6711, 62.2708,
28.7911


■ 36.6179, 56.4731,
9.4338


■ 52.2535, 63.9380,
37.0700


■ 35.5633, 55.9396,
8.9230


■ 56.2800, 65.7965,
47.0763

 60.7697, 67.8539,
58.9002

 65.7403, 70.1177,
72.6262

 71.2085, 72.5947,
88.3329

 76.9952, 75.2134,
105.0673

 79.7534, 76.6353,
105.1964

Harmonies

Analogous

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



55.6715, 59.4726, 12.4721



42.7531, 59.4726, 17.0106



34.8505, 59.4726, 33.1210

Triad

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



42.7531, 59.4726, 17.0106



44.0012, 59.4726, 167.3242



90.3021, 59.4726, 62.3244

Complementary

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



42.7531, 59.4726, 17.0106



25.4039, 15.9875, 68.7682

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.



85.7222, 59.4726, 111.9738



42.7531, 59.4726, 17.0106



57.3910, 59.4726, 186.3939

Square

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



42.7531, 59.4726, 17.0106



35.4770, 59.4726, 118.2308



72.9806, 59.4726, 162.7304



84.5924, 59.4726, 30.4676

Rectangle

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



42.7531, 59.4726, 17.0106



32.6364, 59.4726, 53.6333



72.9806, 59.4726, 162.7304



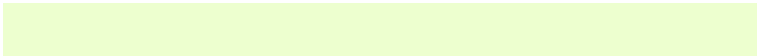
89.9117, 59.4726, 77.3180

Sweetspot

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



42.7545, 59.4752, 17.0119



81.8064, 93.9631, 72.5685



38.8980, 32.0504, 11.9216



17.1293, 19.9372, 14.5441



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.



42.7545, 59.4752, 17.0119



55.8914, 81.8002, 17.2864



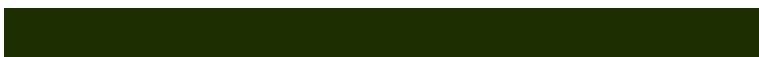
32.0080, 53.9352, 16.5089



13.6621, 15.0060, 13.9020



21.2114, 33.2324, 5.2965



1.4686, 2.2016, 0.3476

Inverse Universe

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



25.4039, 15.9875, 68.7682



29.5981, 15.6664, 96.0717



39.7109, 23.3630, 69.4377



12.8001, 12.8550, 16.4588



9.7845, 4.1683, 40.0273



0.7277, 0.3184, 2.5975

Previews

White Background



This preview shows how the XYZ color 42.7531, 59.4726, 17.0106 looks on a white background.

Color Contrast Check

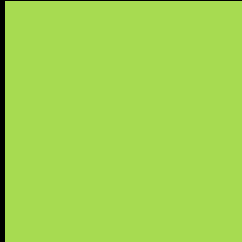
Large Text (above 18pt) WCAG AA × Fail

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 42.7531, 59.4726, 17.0106 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 42.7531, 59.4726, 17.0106

Background



This preview shows how black text looks on a background with the XYZ color 42.7531, 59.4726, 17.0106.

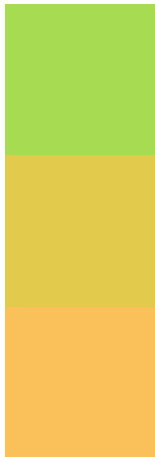


This preview shows how white text looks on a background with the XYZ color 42.7531, 59.4726,

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

42.7531, 59.4726, 17.0106

Protanopia

53.4764, 58.7704, 15.3628

Deuteranopia

60.0772, 58.7445, 17.6236



Tritanopia

54.8901, 59.1974, 76.9398

Trichromacy



Original Color

42.7531, 59.4726, 17.0106

Protanomaly

48.8329, 58.4992, 15.9254

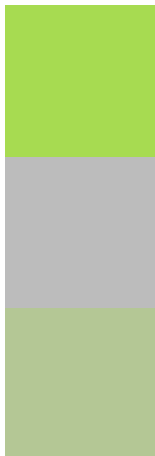
Deuteranomaly

52.3154, 58.1286, 17.2667

Tritanomaly

48.6624, 58.4604, 46.7494

Monochromacy



Original Color

42.7531, 59.4726, 17.0106

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

44.6706, 52.7201, 36.2554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7531, 59.4726, 17.0106 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(167, 219, 81)` looks like.

```
.text, #text, p{  
    color:rgb(167, 219, 81)  
}
```

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(167, 219, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 219, 81) }
```

Border

The CSS property to change the border of an element to XYZ 42.7531, 59.4726, 17.0106 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(167, 219, 81) }
```


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

```
.border{ border-color:rgb(167, 219, 81) }
```

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

Here you see how a box with a 4 pixel rgb(167, 219, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 219, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 219, 81);  
box-shadow:4px 4px 4px 4px rgb(167, 219,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7531, 59.4726, 17.0106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 219, 81) }
```

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

```
.background{ background-color: rgb(167,  
219, 81) }
```

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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