

Converting Colors

XYZ(42.2600, 57.0117, 27.7423)

Have a look what the booklet for
XYZ(42.2600, 57.0117, 27.7423)
contains.

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Color

**XYZ(42.3826, 57.1254,
27.8613)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | A1D67C |
| RGB | 161, 214, 124 |
| RGB Percent | 63%, 84%, 49% |
| CMY | 0.3686, 0.1608, 0.5137 |
| CMYK | 0.25, 0.00, 0.42, 0.16 |
| HSL | 95°, 52%, 66% |
| HSV | 95°, 42%, 84% |
| XYZ | 42.3826, 57.1254, 27.8613 |
| YIQ | 187.8930, -2.6980, -39.2260 |

Conversions

Conversions Part 2

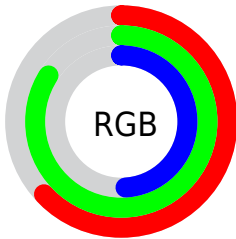
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 124, 214, 177 |
| Decimal | 10606204 |
| CIELab | 80.25, -32.88, 38.98 |
| CIElCh | 80, 50.992, 130.151 |
| Yxy | 57.1254, 0.3328, 0.4485 |
| Android (android.graphics.Color) | 4288796284 (0xFFA1D67C) |
| YUV | 187.8930, -31.4992, -23.5852 |
| Hunter-Lab | 75.5813, -32.1726, 31.0511 |

Details

The XYZ color **42.3826, 57.1254, 27.8613** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.4791, 28.6191, 67.1701**, and the grayscale version is **47.9148, 50.4101, 54.8966**.

A 20% lighter version of the original color is **72.4112, 89.4861, 55.5755**, and **19.6641, 28.4031, 10.7493** is the 20% darker color. If you saturate the color by 10%, you get **38.7607, 55.3998, 21.3778**, and if you desaturate by 10%, it is **46.5571, 59.1055, 35.9060**.

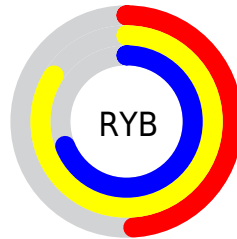
Distribution



Red (63%)

Green (84%)

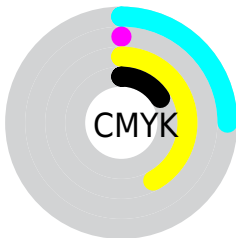
Blue (49%)



Red (49%)

Yellow (84%)

Blue (69%)

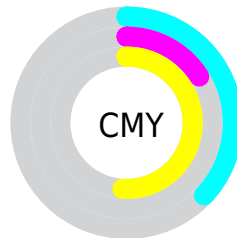


Cyan (25%)

Magenta (0%)

Yellow (42%)

Black (16%)



Cyan (37%)


Magenta (16%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3826, 57.1254, 27.8613 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 42.3826, 57.1254, 27.8613 by changing the saturation by 10% instead.

 42.3826, 57.1254,
27.8613


 42.3826, 57.1254,
27.8613


347.0312,
413.9190, 305.6946


 29.5934, 41.1059,
17.9830


 78.0399, 100.6481,
57.2834

 19.6767, 28.4019,
10.7685


 101.6387,
128.9202, 77.6642

 12.2672, 18.6288,
5.7992


 129.5714,
162.0452, 102.3830

 6.9994, 11.4024,
2.6565

162.2034,
200.4077, 131.8582

 3.5080, 6.3382,
0.9214

199.9000,
244.3919, 166.5084

 1.4278, 3.0518,
0.0000

243.0266,

 0.2759, 1.1588,

294.3822, 206.7522

0.0000

291.9486,
350.7631, 253.0081

■ 0.0000, 0.0277,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3826, 57.1254,
27.8613

■ 42.3826, 57.1254,
27.8613

■ 38.7607, 55.3998,
21.3778

■ 46.5571, 59.1055,
35.9060

■ 35.6604, 53.9096,
16.3504


■ 51.3046, 61.3432,
45.6004


■ 33.0538, 52.6447,
12.6668


■ 56.6496, 63.8512,
57.0311


■ 30.9079, 51.5908,
10.1968

■ 62.6139, 66.6389,
70.2772

 29.1842, 50.7317,
8.7844

 69.2178, 69.7152,
85.4131

 28.0696, 50.1688,
8.2041

 76.4809, 73.0886,
102.5091

 81.2441, 75.4962,
104.8979

 83.3377, 76.5755,
104.9959

Harmonies

Analogous

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



50.8433, 57.1254, 21.1097



42.3826, 57.1254, 27.8613



37.5578, 57.1254, 44.6919

Triad

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



42.3826, 57.1254, 27.8613



47.7779, 57.1254, 133.2204



76.4838, 57.1254, 52.6317

Complementary

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



42.3826, 57.1254, 27.8613



37.4791, 28.6191, 67.1701

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.



75.3883, 57.1254, 83.7702



42.3826, 57.1254, 27.8613



57.9015, 57.1254, 137.4326

Square

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



42.3826, 57.1254, 27.8613



40.3858, 57.1254, 106.9808



68.2556, 57.1254, 117.1249



71.0814, 57.1254, 32.0697

Rectangle

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



42.3826, 57.1254, 27.8613



36.6353, 57.1254, 62.3512



68.2556, 57.1254, 117.1249



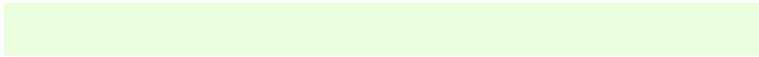
76.8782, 57.1254, 62.0487

Sweetspot

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



42.3840, 57.1279, 27.8625



83.3435, 94.5294, 82.8552



46.9954, 47.0007, 25.6648



17.4475, 20.0497, 16.8879



0.0000, 0.0000, 0.0000



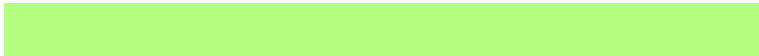
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3840, 57.1279, 27.8625



58.4255, 82.7582, 33.1445



36.4912, 54.0331, 30.1580



12.7411, 14.1427, 13.2190



17.0772, 30.3799, 4.9639



1.1228, 1.8802, 0.3037

Inverse Universe

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



37.4791, 28.6191, 67.1701



50.2205, 35.1669, 98.7487



46.1428, 33.1936, 62.6893



12.4365, 12.3664, 15.6690



12.6605, 5.6792, 38.8821



0.8566, 0.3905, 2.3495

Previews

White Background



This preview shows how the XYZ color 42.3826, 57.1254, 27.8613 looks on a white background.

Color Contrast Check

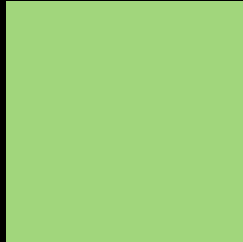
Large Text (above 18pt) WCAG AA × Fail

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 42.3826, 57.1254, 27.8613 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 42.3826, 57.1254, 27.8613

Background



This preview shows how black text looks on a background with the XYZ color 42.3826, 57.1254, 27.8613.



This preview shows how white text looks on a background with the XYZ color 42.3826, 57.1254,

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

42.3826, 57.1254, 27.8613

Protanopia

52.0794, 56.4479, 25.2902

Deuteranopia

57.7026, 56.6158, 29.0058



Tritanopia

51.8213, 56.9403, 75.2771

Trichromacy



Original Color

42.3826, 57.1254, 27.8613

Protanomaly

48.0090, 56.4121, 26.1276

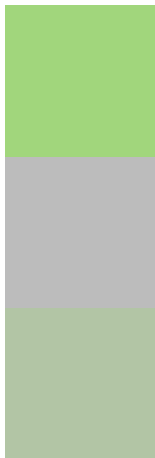
Deuteranomaly

50.8980, 56.1070, 28.5692

Tritanomaly

47.5421, 56.6324, 53.7728

Monochromacy



Original Color

42.3826, 57.1254, 27.8613

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

45.1179, 52.1141, 43.2784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3826, 57.1254, 27.8613 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(161, 214, 124)` looks like.

```
.text, #text, p{  
    color:rgb(161, 214, 124)  
}
```

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(161, 214, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 214, 124) }
```

Border

The CSS property to change the border of an element to XYZ 42.3826, 57.1254, 27.8613 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(161, 214, 124) }
```


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

```
.border{ border-color:rgb(161, 214, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 214, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 214, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 214, 124);  
box-shadow:4px 4px 4px 4px rgb(161, 214,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3826, 57.1254, 27.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 214, 124) }
```

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

```
.background{ background-color: rgb(161,  
214, 124) }
```

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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