

Converting Colors

XYZ(57.6227, 75.9584, 42.2871)

Have a look what the booklet for
XYZ(57.6227, 75.9584, 42.2871)
contains.

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Color

**XYZ(57.8346, 76.2765,
42.2465)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF29A
RGB	186, 242, 154
RGB Percent	73%, 95%, 60%
CMY	0.2706, 0.0510, 0.3961
CMYK	0.23, 0.00, 0.36, 0.05
HSL	98°, 77%, 78%
HSV	98°, 36%, 95%
XYZ	57.8346, 76.2765, 42.2465
YIQ	215.2240, -5.1280, -39.2400

Conversions

Conversions Part 2

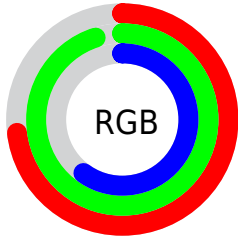
Format	Color
RYB	154, 242, 210
Decimal	12251802
CIELab	89.99, -33.15, 36.86
CIELCh	90, 49.576, 131.961
Yxy	76.2765, 0.3279, 0.4325
Android (android.graphics.Color)	4290441882 (0xFFBAF29A)
YUV	215.2240, -30.1834, -25.6294
Hunter-Lab	87.3364, -34.6352, 32.4556

Details

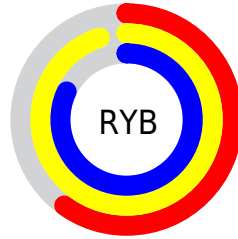
The XYZ color **57.8346, 76.2765, 42.2465** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.1643, 43.2259, 89.4973**, and the grayscale version is **64.9455, 68.3277, 74.4089**.

A 20% lighter version of the original color is **84.2308, 95.1781, 74.2534**, and **29.3173, 40.9024, 18.9201** is the 20% darker color. If you saturate the color by 10%, you get **52.4772, 73.7268, 32.5144**, and if you desaturate by 10%, it is **64.0056, 79.2032, 54.1408**.

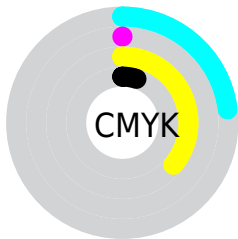
Distribution



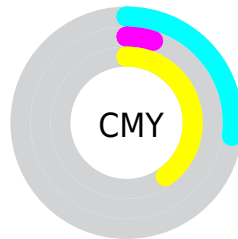
- Red (73%)
- Green (95%)
- Blue (60%)



- Red (60%)
- Yellow (95%)
- Blue (82%)



- Cyan (23%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)



- Cyan (27%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8346, 76.2765, 42.2465 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 57.8346, 76.2765, 42.2465 by changing the saturation by 10% instead.

■ 57.8346, 76.2765,
42.2465

■ 57.8346, 76.2765,
42.2465

406.5331,
482.2937, 371.3335

■ 41.9184, 56.6593,
28.9673

■ 100.8063,
128.1177, 79.8467

■ 29.2283, 40.7317,
18.8108

■ 128.5926,
161.1104, 105.0048

■ 19.3987, 28.1095,
11.3582

161.0662,
199.3304, 134.9596

■ 12.0644, 18.4082,
6.1911

198.5927,
243.1621, 170.1297

■ 6.8601, 11.2435,
2.8910

241.5372,
292.9899, 210.9336

■ 3.4203, 6.2308,
1.0392

290.2652,

■ 1.3797, 2.9860,


349.1982, 257.7898


0.0000


345.1421,
412.1713, 311.1170


 0.2417, 1.1244,
0.0000


 0.0000, 0.0000,
0.0000


 57.8346, 76.2765,
42.2465


 57.8346, 76.2765,
42.2465


 52.4772, 73.7268,
32.5144

 64.0056, 79.2032,
54.1408


 47.8902, 71.5280,
24.8095

 71.0190, 82.5124,
68.3114

 44.0351, 69.6654,
18.9895

 78.9093, 86.2216,
84.8704

 40.8668, 68.1195,
14.8916

 87.7071, 90.3445,
103.9211

■ 38.3343, 66.8681,
12.3253

■ 91.0437, 91.9874,
107.5646

■ 36.3765, 65.8850,
11.0525

■ 35.7776, 65.5818,
10.7729

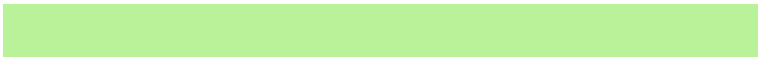
Harmonies

Analogous

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



67.7160, 76.2765, 32.9223



57.8346, 76.2765, 42.2465



52.2923, 76.2765, 63.8299

Triad

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



57.8346, 76.2765, 42.2465



65.4327, 76.2765, 165.3311



98.1265, 76.2765, 69.8157

Complementary

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



57.8346, 76.2765, 42.2465



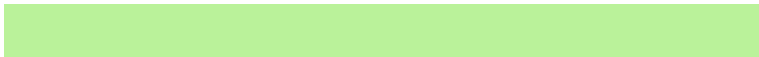
54.1643, 43.2259, 89.4973

Split Complementary

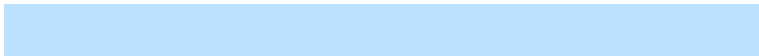
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3362, 76.2765, 105.7913



57.8346, 76.2765, 42.2465



77.5011, 76.2765, 168.2837

Square

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



57.8346, 76.2765, 42.2465



56.3260, 76.2765, 136.9429



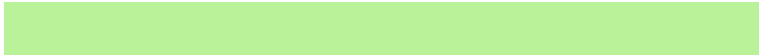
89.4526, 76.2765, 144.1378



91.5035, 76.2765, 45.5585

Rectangle

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



57.8346, 76.2765, 42.2465



51.3757, 76.2765, 85.3873



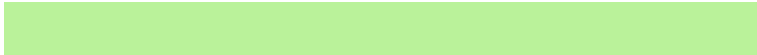
89.4526, 76.2765, 144.1378



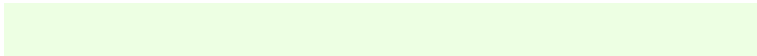
98.7379, 76.2765, 80.7600

Sweetspot

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



57.8365, 76.2798, 42.2482



84.5931, 95.0935, 86.5332



65.4346, 67.1751, 40.0903



17.8489, 20.2328, 17.9819



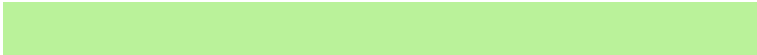
0.0000, 0.0000, 0.0000



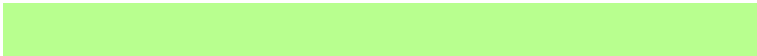
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8365, 76.2798, 42.2482



60.3734, 83.6377, 38.8689



51.9394, 73.1212, 47.3260



16.1085, 17.9361, 16.7627



19.3557, 35.2998, 5.7934



1.7157, 2.9910, 0.4869

Inverse Universe

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



54.1643, 43.2259, 89.4973



55.6335, 41.1317, 99.6148



62.4969, 47.7187, 80.9797



15.8645, 15.7274, 19.9211



15.9248, 7.2149, 45.6812



1.4335, 0.6562, 3.8053

Previews

White Background



This preview shows how the XYZ color 57.8346, 76.2765, 42.2465 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 57.8346, 76.2765, 42.2465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

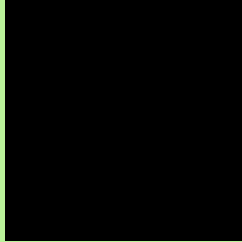
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8346, 76.2765, 42.2465

Background



This preview shows how black text looks on a background with the XYZ color 57.8346, 76.2765, 42.2465.

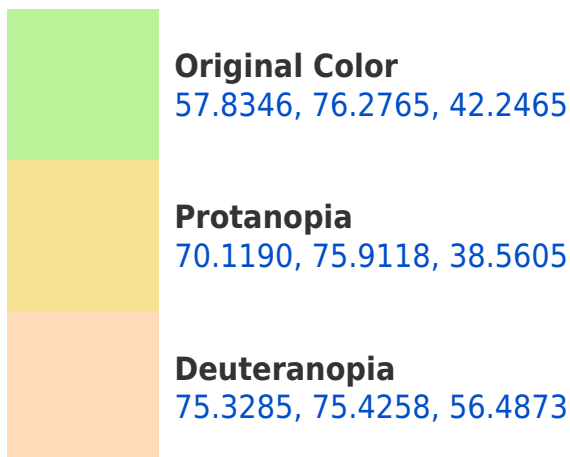


This preview shows how white text looks on a background with the XYZ color 57.8346, 76.2765,

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





Tritanopia

69.4831, 75.8507, 100.6010

Trichromacy



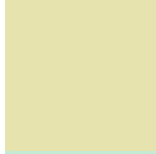
Original Color

57.8346, 76.2765, 42.2465



Protanomaly

65.1021, 75.7625, 40.0465



Deuteranomaly

67.7422, 74.8172, 50.9152



Tritanomaly

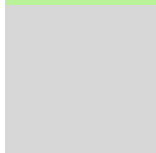
64.3254, 75.4364, 74.7887

Monochromacy



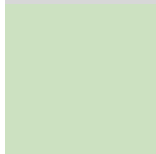
Original Color

57.8346, 76.2765, 42.2465



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.4527, 70.5381, 60.8284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8346, 76.2765, 42.2465 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(186, 242, 154)` looks like.

```
.text, #text, p{  
    color:rgb(186, 242, 154)  
}
```

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(186, 242, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 242, 154) }
```

Border

The CSS property to change the border of an element to XYZ 57.8346, 76.2765, 42.2465 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(186, 242, 154) }
```


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

```
.border{ border-color:rgb(186, 242, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 242, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 242, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 242, 154);  
box-shadow:4px 4px 4px 4px rgb(186, 242,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8346, 76.2765, 42.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 242, 154) }
```

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

```
.background{ background-color: rgb(186,  
242, 154) }
```

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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