

Converting Colors

XYZ(60.0537, 77.3712, 49.5887)

Have a look what the booklet for
XYZ(60.0537, 77.3712, 49.5887)
contains.

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Color

**XYZ(59.9941, 77.2254,
49.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF2AA
RGB	189, 242, 170
RGB Percent	74%, 95%, 67%
CMY	0.2588, 0.0510, 0.3333
CMYK	0.22, 0.00, 0.30, 0.05
HSL	104°, 73%, 81%
HSV	104°, 30%, 95%
XYZ	59.9941, 77.2254, 49.7742
YIQ	217.9450, -8.4760, -33.6280

Conversions

Conversions Part 2

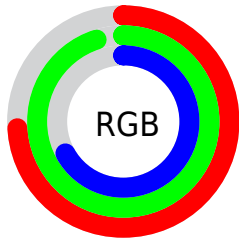
Format	Color
RYB	170, 242, 223
Decimal	12448426
CIELab	90.43, -29.83, 29.42
CIElCh	90, 41.897, 135.388
Yxy	77.2254, 0.3208, 0.4130
Android (android.graphics.Color)	4290638506 (0xFFBDF2AA)
YUV	217.9450, -23.6369, -25.3848
Hunter-Lab	87.8780, -31.9249, 27.9327

Details

The XYZ color **59.9941, 77.2254, 49.7742** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.8366, 50.8505, 90.6173**, and the grayscale version is **66.7664, 70.2434, 76.4951**.

A 20% lighter version of the original color is **87.4935, 96.6038, 85.9865**, and **30.6013, 41.4705, 23.2214** is the 20% darker color. If you saturate the color by 10%, you get **53.7617, 74.2554, 38.6126**, and if you desaturate by 10%, it is **67.1948, 80.6505, 63.1841**.

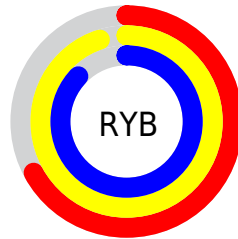
Distribution



Red (74%)

Green (95%)

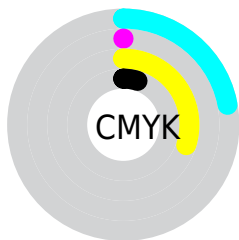
Blue (67%)



Red (67%)

Yellow (95%)

Blue (87%)

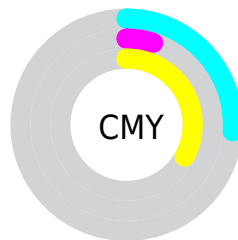


Cyan (22%)

Magenta (0%)

Yellow (30%)

Black (5%)



Cyan (26%)

Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9941, 77.2254, 49.7742 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 59.9941, 77.2254, 49.7742 by changing the saturation by 10% instead.

■ 59.9941, 77.2254,
49.7742

■ 59.9941, 77.2254,
49.7742

414.4111,
485.5322, 402.4920

■ 43.6633, 57.4379,
34.8641

■ 103.9275,
129.4576, 91.2331

■ 30.6027, 41.3569,
23.2755

132.2608,
162.6711, 118.6190

■ 20.4468, 28.5981,
14.5898

165.3257,
201.1287, 151.0005

■ 12.8304, 18.7770,
8.3886

203.4876,
245.2148, 188.7962

■ 7.3881, 11.5092,
4.2533

247.1116,
295.3138, 232.4247

■ 3.7544, 6.4105,
1.7653


296.5634,


■ 1.5642, 3.0962,


351.8101, 282.3045


0.4049


352.2081,
415.0881, 338.8541


 0.3689, 1.1822,
0.0000

 0.0000, 0.0471,
0.0000


 59.9941, 77.2254,
49.7742


 59.9941, 77.2254,
49.7742


 53.7617, 74.2554,
38.6126


 67.1948, 80.6505,
63.1841


 48.4488, 71.7111,
29.5712

 75.3979, 84.5388,
78.9505

 44.0114, 69.5751,
22.5172

 84.6429, 88.9109,
97.1811

 40.3990, 67.8245,
17.3004

 91.0437, 91.9874,
107.5646

■ 37.5554, 66.4343,
13.7494

■ 35.4163, 65.3755,
11.6605

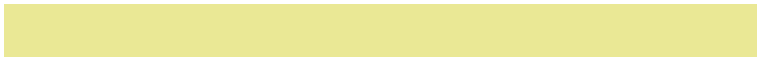
■ 33.8906, 64.6087,
10.7017

■ 33.8586, 64.5926,
10.6831

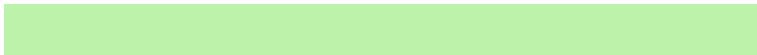
Harmonies

Analogous

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



68.1920, 77.2254, 39.8805



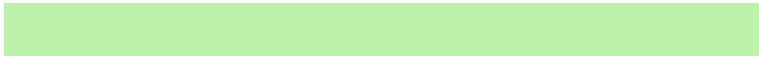
59.9941, 77.2254, 49.7742



55.6086, 77.2254, 70.3760

Triad

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



59.9941, 77.2254, 49.7742



68.4429, 77.2254, 153.0417



94.5486, 77.2254, 69.7087

Complementary

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



59.9941, 77.2254, 49.7742



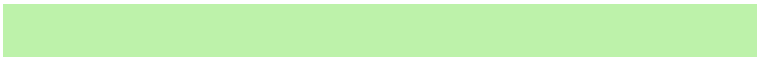
60.8366, 50.8505, 90.6173

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.



94.6321, 77.2254, 99.4685



59.9941, 77.2254, 49.7742



78.8675, 77.2254, 152.7408

Square

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



59.9941, 77.2254, 49.7742



60.1627, 77.2254, 132.1141



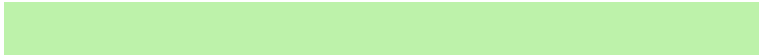
88.6685, 77.2254, 131.3697



88.4501, 77.2254, 49.3862

Rectangle

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



59.9941, 77.2254, 49.7742



55.1432, 77.2254, 89.6107



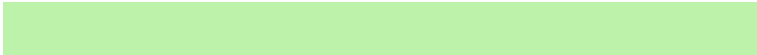
88.6685, 77.2254, 131.3697



95.2989, 77.2254, 78.7919

Sweetspot

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



59.9961, 77.2287, 49.7759



85.6279, 95.5444, 90.3100



70.2112, 74.4515, 48.7014



18.0213, 20.3053, 18.7328



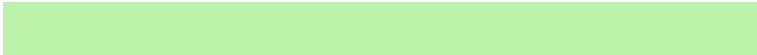
0.0000, 0.0000, 0.0000



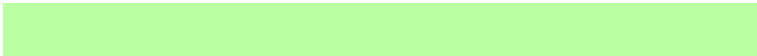
20.3446, 21.4041, 23.3091

Same Dimension

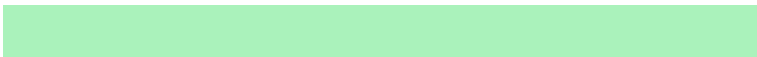
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.9961, 77.2287, 49.7759



62.9857, 84.7896, 47.7907



57.2804, 75.6332, 58.4829



15.9570, 17.8580, 16.7556



18.2975, 34.7542, 5.7439



1.6128, 2.9380, 0.4821

Inverse Universe

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



60.8366, 50.8505, 90.6173



64.0661, 50.4375, 100.9665



64.6135, 53.0759, 78.2198



16.0236, 15.8094, 19.9286



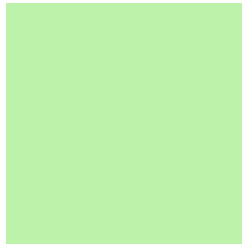
18.6267, 8.6078, 45.8076



1.6426, 0.7641, 3.8151

Previews

White Background



This preview shows how the XYZ color 59.9941, 77.2254, 49.7742 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 59.9941, 77.2254, 49.7742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

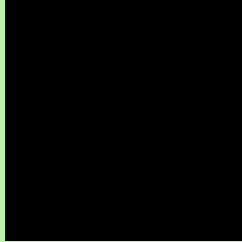
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9941, 77.2254, 49.7742

Background



This preview shows how black text looks on a background with the XYZ color 59.9941, 77.2254, 49.7742.



This preview shows how white text looks on a background with the XYZ color 59.9941, 77.2254,

49.7742.

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

59.9941, 77.2254, 49.7742

Protanopia

71.3882, 76.8156, 45.7147

Deuteranopia

76.7221, 76.8232, 61.2367



Tritanopia

70.4691, 77.1719, 101.6240

Trichromacy



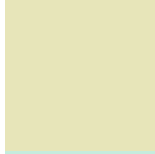
Original Color

59.9941, 77.2254, 49.7742



Protanomaly

66.4800, 76.3137, 47.3025



Deuteranomaly

69.7313, 76.5303, 56.9955



Tritanomaly

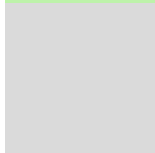
66.0726, 77.0817, 79.8025

Monochromacy



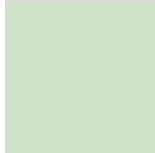
Original Color

59.9941, 77.2254, 49.7742



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.7438, 72.4206, 65.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9941, 77.2254, 49.7742 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(189, 242, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 242, 170)  
}
```

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(189, 242, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 242, 170) }
```

Border

The CSS property to change the border of an element to XYZ 59.9941, 77.2254, 49.7742 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(189, 242, 170) }
```


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

```
.border{ border-color:rgb(189, 242, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 242, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 242, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 242, 170);  
box-shadow:4px 4px 4px 4px rgb(189, 242,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9941, 77.2254, 49.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 242, 170) }
```

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

```
.background{ background-color: rgb(189,  
242, 170) }
```

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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