

Converting Colors

XYZ(80.2274, 100.0000,
62.2361)

Have a look what the booklet for
XYZ(80.2274, 100.0000, 62.2361)
contains.

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Color

**XYZ(75.7810, 91.1154,
60.6067)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFBB
RGB	225, 255, 187
RGB Percent	88%, 100%, 73%
CMY	0.1176, 0.0000, 0.2667
CMYK	0.12, 0.00, 0.27, 0.00
HSL	86°, 100%, 87%
HSV	86°, 27%, 100%
XYZ	75.7810, 91.1154, 60.6067
YIQ	238.2780, 3.9480, -27.5080

Conversions

Conversions Part 2

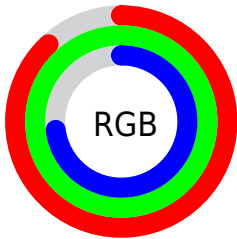
Format	Color
RYB	187, 255, 217
Decimal	14811067
CIELab	96.46, -21.09, 29.37
CIELCh	96, 36.163, 125.685
Yxy	91.1154, 0.3331, 0.4005
Android (android.graphics.Color)	4293001147 (0xFFE1FFBB)
YUV	238.2780, -25.2801, -11.6448
Hunter-Lab	95.4544, -25.3345, 29.1732

Details

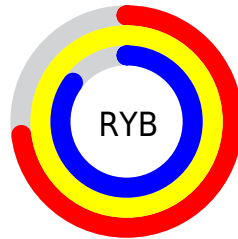
The XYZ color **75.7810, 91.1154, 60.6067** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4366, 57.5136, 102.3128**, and the grayscale version is **81.6704, 85.9237, 93.5709**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **40.7899, 50.5166, 29.7911** is the 20% darker color. If you saturate the color by 10%, you get **69.8963, 88.3696, 47.3241**, and if you desaturate by 10%, it is **82.3826, 94.1747, 76.4557**.

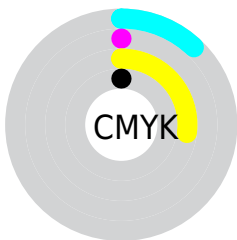
Distribution



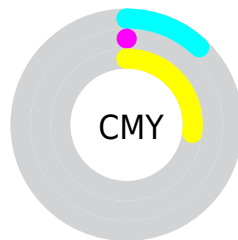
- Red (88%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (85%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7810, 91.1154, 60.6067 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 75.7810, 91.1154, 60.6067 by changing the saturation by 10% instead.


 75.7810, 91.1154,
60.6067

 75.7810, 91.1154,
60.6067


469.5536,
531.6526, 444.6970

 56.5494, 68.9061,
43.4793


 126.3993,
148.8868, 107.2612

 40.8823, 50.6353,
29.9272


158.5167,
185.2176, 137.6255

 28.4144, 35.9184,
19.5318


195.6600,
227.0245, 173.2391

 18.7803, 24.3712,
11.8745

238.1947,
274.6918, 214.5207

 11.6147, 15.6092,
6.5367

286.4860,
328.6038, 261.8887

 6.5522, 9.2480,
3.1001

340.8994,

 3.2275, 4.9033,

389.1450, 315.7618

1.1460

401.8001,
456.6998, 376.5584

■ 1.2752, 2.1906,
0.0000

■ 0.1645, 0.7149,
0.0000

■ 75.7810, 91.1154,
60.6067

■ 75.7810, 91.1154,
60.6067

■ 69.8963, 88.3696,
47.3241

■ 82.3826, 94.1747,
76.4557

■ 64.6969, 85.9241,
36.4686

■ 89.7277, 97.5586,
94.9923

■ 60.1508, 83.7656,
27.8938

95.0500, 100.0000,
108.9000

■ 56.2223, 81.8793,
21.4359

■ 52.8712, 80.2484,
16.9092

■ 50.0512, 78.8540,
14.0959

■ 47.7051, 77.6726,
12.7221

■ 47.0011, 77.3150,
12.4461

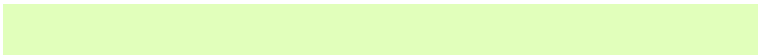
Harmonies

Analogous

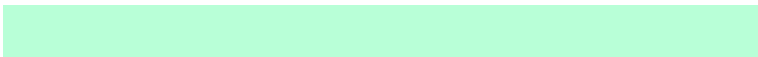
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6967, 91.1154, 53.5891



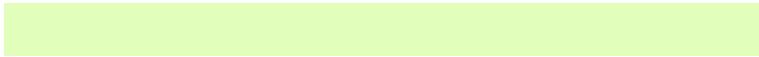
75.7810, 91.1154, 60.6067



70.1128, 91.1154, 78.0625

Triad

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



75.7810, 91.1154, 60.6067



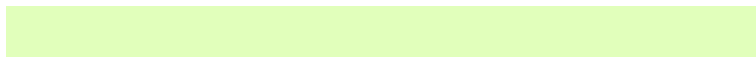
78.8641, 91.1154, 158.8806



107.3571, 91.1154, 93.8118

Complementary

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



75.7810, 91.1154, 60.6067



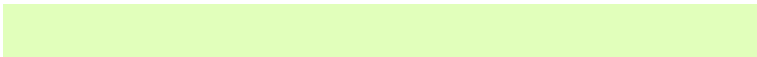
64.4366, 57.5136, 102.3128

Split Complementary

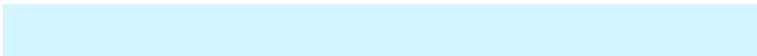
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.4938, 91.1154, 123.8666



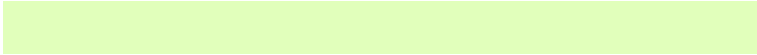
75.7810, 91.1154, 60.6067



88.5365, 91.1154, 165.3328

Square

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



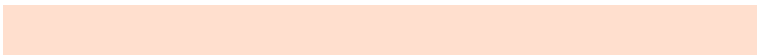
75.7810, 91.1154, 60.6067



71.7938, 91.1154, 135.2403



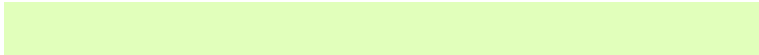
98.4080, 91.1154, 151.4726



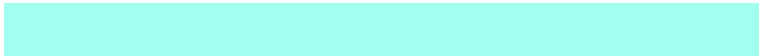
103.3192, 91.1154, 70.2237

Rectangle

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



75.7810, 91.1154, 60.6067



68.6769, 91.1154, 95.0904



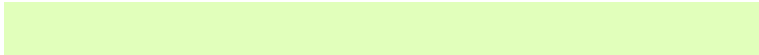
98.4080, 91.1154, 151.4726



107.4037, 91.1154, 103.4452

Sweetspot

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



75.7815, 91.1156, 60.6080



88.7037, 97.0879, 92.3593



74.8859, 74.1999, 57.3902



18.7426, 20.6687, 19.1460



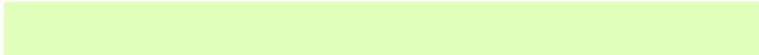
0.0000, 0.0000, 0.0000



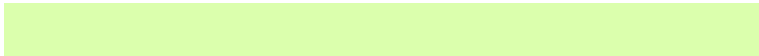
20.3446, 21.4041, 23.3091

Same Dimension

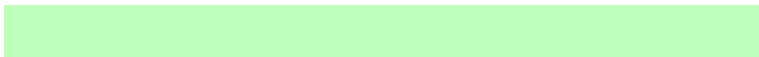
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7815, 91.1156, 60.6080



72.5549, 89.6127, 53.2113



66.3507, 86.2539, 60.1667



18.7426, 20.6687, 19.1460



24.7337, 40.4887, 6.5115



2.5339, 4.0070, 0.6399

Inverse Universe

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



64.4366, 57.5136, 102.3128



59.4783, 50.8746, 101.2927



75.4127, 63.1720, 102.8265



17.7636, 17.7698, 22.7436



13.1214, 5.6748, 49.8384



1.4006, 0.6160, 4.8583

Previews

White Background



This preview shows how the XYZ color 75.7810, 91.1154, 60.6067 looks on a white background.

Color Contrast Check

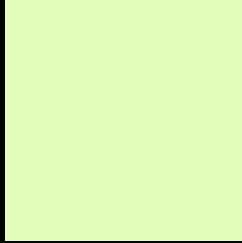
Large Text (above 18pt) WCAG AA × Fail

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 75.7810, 91.1154, 60.6067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

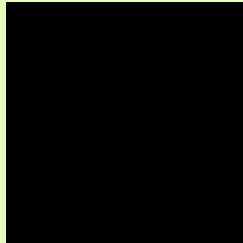
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

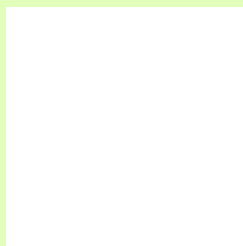
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7810, 91.1154, 60.6067

Background



This preview shows how black text looks on a background with the XYZ color 75.7810, 91.1154, 60.6067.

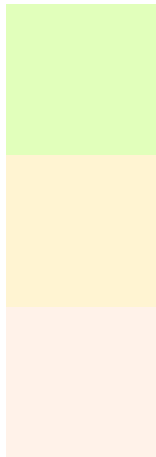


This preview shows how white text looks on a background with the XYZ color 75.7810, 91.1154,

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

75.7810, 91.1154, 60.6067

Protanopia

85.2235, 90.6145, 73.9714

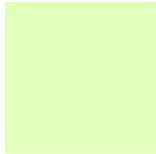
Deuteranopia

87.7001, 90.6475, 89.9652

Tritanopia

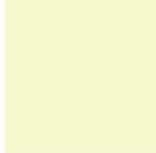
86.6376, 91.0501, 107.6159

Trichromacy



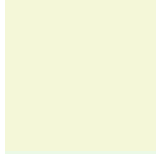
Original Color

75.7810, 91.1154, 60.6067



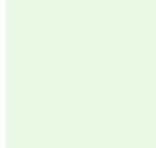
Protanomaly

81.5363, 90.6322, 69.0735



Deuteranomaly

82.9637, 90.7125, 78.1024



Tritanomaly

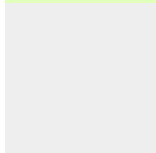
82.4196, 91.1267, 88.1081

Monochromacy



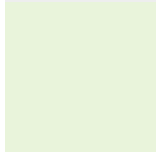
Original Color

75.7810, 91.1154, 60.6067



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7411, 87.1395, 79.6873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7810, 91.1154, 60.6067 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(225, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 187)  
}
```

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(225, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 75.7810, 91.1154, 60.6067 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(225, 255, 187) }
```


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

```
.border{ border-color:rgb(225, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 255, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 255, 187); box-shadow:4px 4px 4px 4px rgb(225, 255, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7810, 91.1154, 60.6067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 187) }
```

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

```
.background{ background-color: rgb(225,  
255, 187) }
```

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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