

Converting Colors

XYZ(110.7795, 159.7458,
70.4500)

Have a look what the booklet for
XYZ(110.7795, 159.7458, 70.4500)
contains.

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Color

**XYZ(76.7248, 91.6387,
58.9916)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFB8
RGB	229, 255, 184
RGB Percent	90%, 100%, 72%
CMY	0.1020, 0.0000, 0.2784
CMYK	0.10, 0.00, 0.28, 0.00
HSL	82°, 100%, 86%
HSV	82°, 28%, 100%
XYZ	76.7248, 91.6387, 58.9916
YIQ	239.1320, 7.2950, -27.5930

Conversions

Conversions Part 2

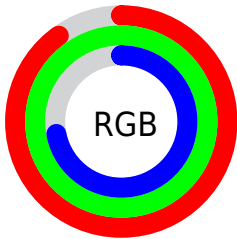
Format	Color
RYB	184, 255, 210
Decimal	15073208
CIELab	96.67, -20.10, 31.22
CIELCh	97, 37.131, 122.781
Yxy	91.6387, 0.3375, 0.4031
Android (android.graphics.Color)	4293263288 (0xFFE5FFB8)
YUV	239.1320, -27.1801, -8.8858
Hunter-Lab	95.7281, -24.4588, 30.4727

Details

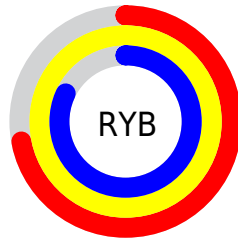
The XYZ color **76.7248, 91.6387, 58.9916** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.7699, 55.2039, 102.0075**, and the grayscale version is **82.3472, 86.6357, 94.3463**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **41.4569, 50.8841, 28.7557** is the 20% darker color. If you saturate the color by 10%, you get **71.3880, 89.1690, 46.0237**, and if you desaturate by 10%, it is **82.7047, 94.3842, 74.5072**.

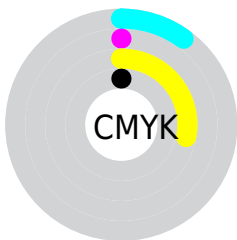
Distribution



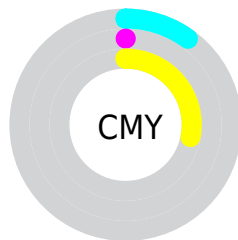
- Red (90%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (82%)



- Cyan (10%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7248, 91.6387, 58.9916 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 76.7248, 91.6387, 58.9916 by changing the saturation by 10% instead.

 76.7248, 91.6387,
58.9916

 76.7248, 91.6387,
58.9916


472.7316,
533.3472, 438.5718

 57.3262, 69.3406,
42.1864


 127.7258,
149.6125, 104.8945

 41.5083, 50.9891,
28.9206


160.0590,
186.0571, 134.8292

 28.9059, 36.2000,
18.7757

197.4343,
227.9858, 169.9775

 19.1536, 24.5887,
11.3332

240.2172,
275.7832, 210.7579

 11.8860, 15.7709,
6.1744

288.7730,
329.8337, 257.5891

 6.7377, 9.3622,
2.8809

343.4671,

 3.3435, 4.9781,

390.5215, 310.8894

1.0342

404.6648,
458.2312, 371.0774

■ 1.3379, 2.2344,
0.0000

■ 0.2113, 0.7387,
0.0000

■ 76.7248, 91.6387,
58.9916

■ 76.7248, 91.6387,
58.9916

■ 71.3880, 89.1690,
46.0237

■ 82.7047, 94.3842,
74.5072

■ 66.6645, 86.9628,
35.4631

■ 89.3526, 97.4157,
92.6928

■ 62.5240, 85.0077,
27.1617

95.0500, 100.0000,
108.9000

■ 58.9322, 83.2898,
20.9536

■ 55.8508, 81.7933,
16.6502

■ 53.2346, 80.4999,
14.0288

■ 51.0244, 79.3856,
12.7917

■ 50.5829, 79.1615,
12.6137

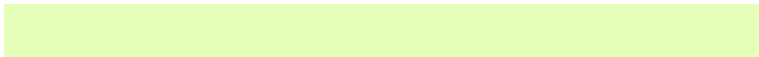
Harmonies

Analogous

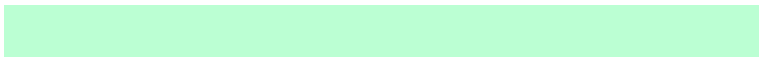
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1341, 91.6387, 52.8472



76.7248, 91.6387, 58.9916



70.5147, 91.6387, 75.8303

Triad

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



76.7248, 91.6387, 58.9916



78.2779, 91.6387, 159.7966



108.6168, 91.6387, 97.0287

Complementary

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



76.7248, 91.6387, 58.9916



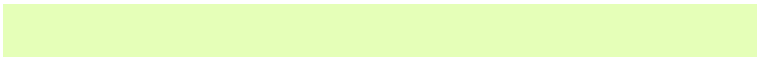
61.7699, 55.2039, 102.0075

Split Complementary

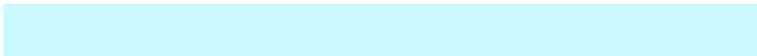
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.1007, 91.6387, 128.3035



76.7248, 91.6387, 58.9916



88.0727, 91.6387, 168.5315

Square

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



76.7248, 91.6387, 58.9916



71.3600, 91.6387, 134.0734



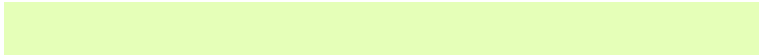
98.3704, 91.6387, 156.0268



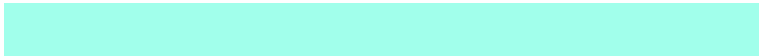
104.9990, 91.6387, 71.8963

Rectangle

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



76.7248, 91.6387, 58.9916



68.7456, 91.6387, 92.7604



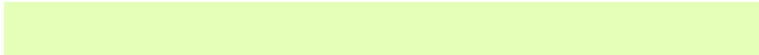
98.3704, 91.6387, 156.0268



108.4607, 91.6387, 107.1429

Sweetspot

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



76.7252, 91.6389, 58.9929



89.2424, 97.3656, 92.3845



72.6560, 70.2489, 55.0787



18.8785, 20.7388, 19.1523



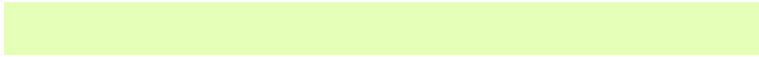
0.0000, 0.0000, 0.0000



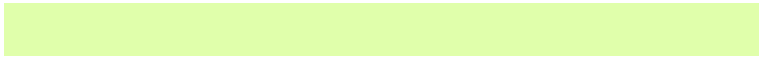
20.3446, 21.4041, 23.3091

Same Dimension

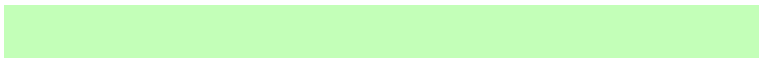
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7252, 91.6389, 58.9929



73.8939, 90.3313, 51.9942



66.8278, 86.5366, 58.5297



18.8785, 20.7388, 19.1523



26.6005, 41.4512, 6.5989



2.7102, 4.0979, 0.6481

Inverse Universe

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



61.7699, 55.2039, 102.0075



56.8514, 48.7992, 101.0305



72.6209, 60.7978, 102.5154



17.6311, 17.7016, 22.7374



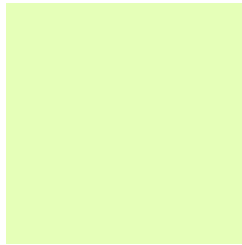
11.9599, 5.0760, 49.7840



1.2796, 0.5536, 4.8527

Previews

White Background



This preview shows how the XYZ color 76.7248, 91.6387, 58.9916 looks on a white background.

Color Contrast Check

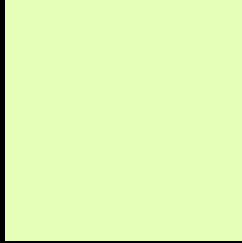
Large Text (above 18pt) WCAG AA × Fail

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 76.7248, 91.6387, 58.9916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

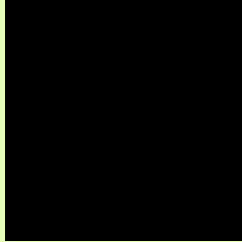
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

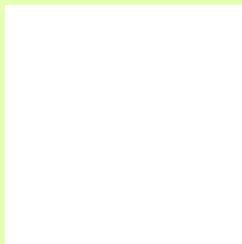
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7248, 91.6387, 58.9916

Background



This preview shows how black text looks on a background with the XYZ color 76.7248, 91.6387, 58.9916.

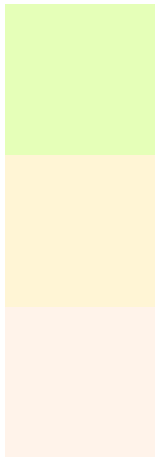


This preview shows how white text looks on a background with the XYZ color 76.7248, 91.6387,

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

76.7248, 91.6387, 58.9916

Protanopia

85.9026, 91.3689, 76.0592

Deuteranopia

88.1419, 91.3017, 90.8193

Tritanopia

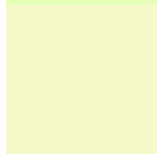
87.6646, 91.5795, 107.6639

Trichromacy



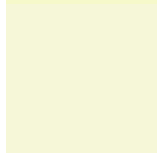
Original Color

76.7248, 91.6387, 58.9916



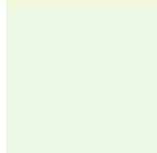
Protanomaly

82.5424, 91.6085, 69.2089



Deuteranomaly

83.6615, 91.0722, 78.1350



Tritanomaly

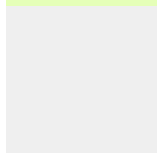
83.2784, 91.5856, 87.4173

Monochromacy



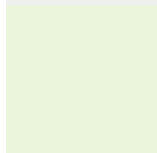
Original Color

76.7248, 91.6387, 58.9916



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.6995, 88.0815, 79.8186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7248, 91.6387, 58.9916 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(229, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 184)  
}
```

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(229, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 76.7248, 91.6387, 58.9916 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(229, 255, 184) }
```


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

```
.border{ border-color:rgb(229, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 255, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 255, 184); box-shadow:4px 4px 4px 4px rgb(229, 255, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7248, 91.6387, 58.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 184) }
```

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

```
.background{ background-color: rgb(229,  
255, 184) }
```

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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