

Converting Colors

XYZ(76.8419, 91.0715, 67.7860)

Have a look what the booklet for
XYZ(76.8419, 91.0715, 67.7860)
contains.

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Color

**XYZ(76.8020, 91.0147,
67.5525)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FEC7
RGB	225, 254, 199
RGB Percent	88%, 100%, 78%
CMY	0.1176, 0.0039, 0.2196
CMYK	0.11, 0.00, 0.22, 0.00
HSL	92°, 97%, 89%
HSV	92°, 22%, 100%
XYZ	76.8020, 91.0147, 67.5525
YIQ	239.0590, 0.3710, -23.2530

Conversions

Conversions Part 2

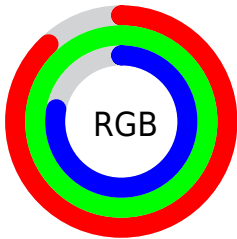
Format	Color
R_{YB}	199, 254, 228
Decimal	14810823
CIE _{Lab}	96.42, -18.84, 23.24
CIE _{LCh}	96, 29.921, 129.032
Y _{xy}	91.0147, 0.3263, 0.3867
Android (android.graphics.Color)	4293000903 (0xFFE1FEC7)
YUV	239.0590, -19.7491, -12.3297
Hunter-Lab	95.4016, -23.2534, 24.7988

Details

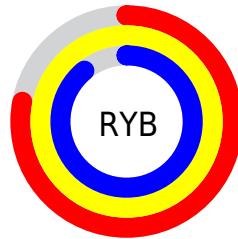
The XYZ color **76.8020, 91.0147, 67.5525** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.3113, 64.4991, 102.5145**, and the grayscale version is **82.2409, 86.5238, 94.2244**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4393, 50.4119, 34.3344** is the 20% darker color. If you saturate the color by 10%, you get **70.0830, 87.8665, 53.1072**, and if you desaturate by 10%, it is **84.3457, 94.5367, 84.6096**.

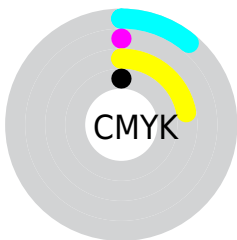
Distribution



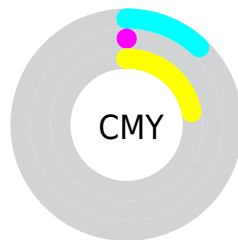
- Red (88%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8020, 91.0147, 67.5525 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 76.8020, 91.0147, 67.5525 by changing the saturation by 10% instead.

76.8020, 91.0147,
67.5525

76.8020, 91.0147,
67.5525

472.9910,
531.3261, 470.4638

57.3897, 68.8225,
49.0693

127.8343,
148.7471, 117.3599

41.5596, 50.5672,
34.3085

160.1850,
185.0560, 149.5212

28.9462, 35.8643,
22.8514

197.5793,
226.8394, 187.0790

19.1842, 24.3294,
14.2796

240.3824,
274.4816, 230.4518

11.9082, 15.5781,
8.1744

288.9598,
328.3670, 280.0581

6.7530, 9.2261,
4.1174

343.6768,

3.3531, 4.8890,

388.8799, 336.3165

1.6900

404.8987,
456.4048, 399.6456

■ 1.3431, 2.1823,
0.3538

■ 0.2151, 0.7103,
0.0000

■ 76.8020, 91.0147,
67.5525

■ 76.8020, 91.0147,
67.5525

■ 70.0830, 87.8665,
53.1072

■ 84.3457, 94.5367,
84.6096

■ 64.1496, 85.0665,
41.1389

■ 92.7369, 98.4333,
104.3926

■ 58.9701, 82.6041,
31.5096

■ 94.7336, 99.3673,
108.7945

■ 54.5071, 80.4635,
24.0654

■ 50.7197, 78.6273,
18.6341

■ 47.5616, 77.0760,
15.0175

■ 44.9783, 75.7867,
12.9768

■ 43.1981, 74.8849,
12.1775

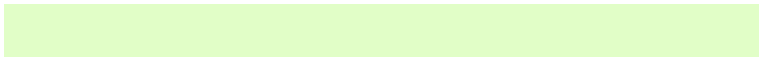
Harmonies

Analogous

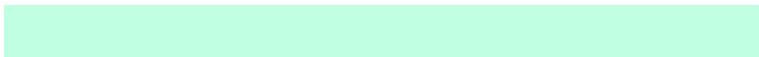
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0152, 91.0147, 60.3324



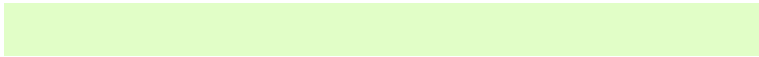
76.8020, 91.0147, 67.5525



72.3888, 91.0147, 83.5666

Triad

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



76.8020, 91.0147, 67.5525



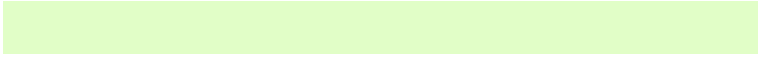
80.8979, 91.0147, 148.4307



103.3183, 91.0147, 92.0676

Complementary

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



76.8020, 91.0147, 67.5525



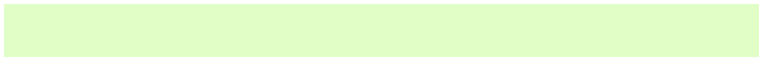
70.3113, 64.4991, 102.5145

Split Complementary

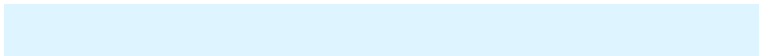
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.3504, 91.0147, 116.4470



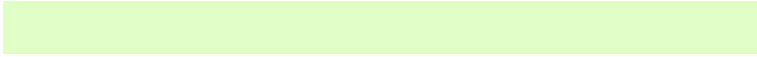
76.8020, 91.0147, 67.5525



89.0470, 91.0147, 151.6878

Square

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



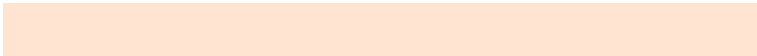
76.8020, 91.0147, 67.5525



74.6459, 91.0147, 130.9036



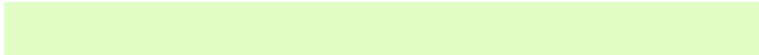
96.9964, 91.0147, 139.1970



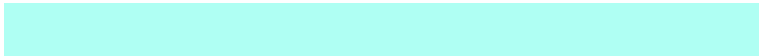
99.5618, 91.0147, 72.9153

Rectangle

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



76.8020, 91.0147, 67.5525



71.4525, 91.0147, 98.3263



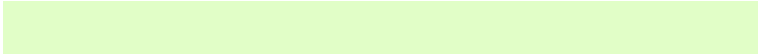
96.9964, 91.0147, 139.1970



103.5395, 91.0147, 99.8768

Sweetspot

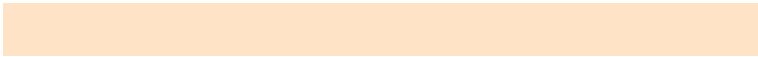
The Sweet Spot groups the original color and five complimentary colors.



76.8044, 91.0187, 67.5545



89.7774, 97.5552, 96.3029



78.7685, 80.3641, 65.3944



19.0973, 20.8257, 20.3325



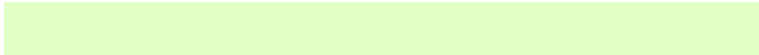
0.0000, 0.0000, 0.0000



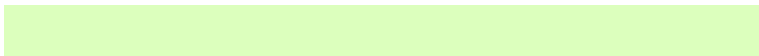
20.3446, 21.4041, 23.3091

Same Dimension

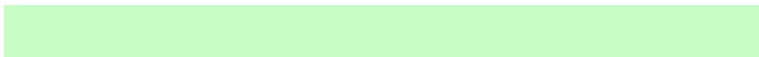
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8044, 91.0187, 67.5545



74.4396, 90.4028, 61.4996



69.4133, 87.1960, 67.7659



18.5881, 20.5891, 19.1387



22.9408, 39.5645, 6.4276



2.3586, 3.9167, 0.6317

Inverse Universe

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



70.3113, 64.4991, 102.5145



66.8188, 59.2795, 102.5281



79.0429, 69.0173, 102.1586



17.9174, 17.8491, 22.7508



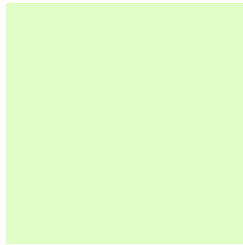
14.7816, 6.5307, 49.9161



1.5654, 0.7009, 4.8661

Previews

White Background



This preview shows how the XYZ color 76.8020, 91.0147, 67.5525 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 76.8020, 91.0147, 67.5525 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

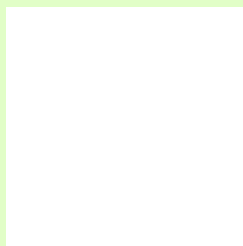
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8020, 91.0147, 67.5525

Background



This preview shows how black text looks on a background with the XYZ color 76.8020, 91.0147, 67.5525.



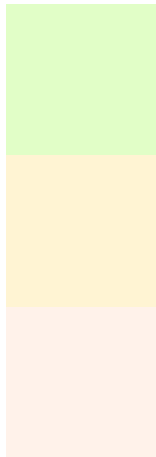
This preview shows how white text looks on a background with the XYZ color 76.8020, 91.0147,

67.5525.

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

76.8020, 91.0147, 67.5525

Protanopia

85.3486, 90.6645, 74.6297

Deuteranopia

87.8434, 90.7048, 90.7198

Tritanopia

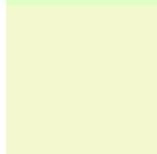
86.6376, 91.0501, 107.6159

Trichromacy



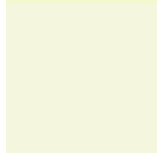
Original Color

76.8020, 91.0147, 67.5525



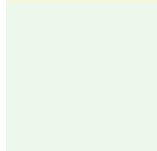
Protanomaly

82.1381, 90.8729, 72.2426



Deuteranomaly

83.3151, 90.3651, 81.4576



Tritanomaly

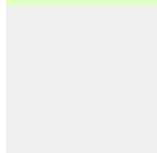
82.8237, 90.7951, 91.7572

Monochromacy



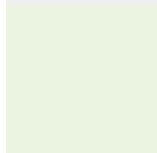
Original Color

76.8020, 91.0147, 67.5525



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7369, 87.5756, 83.2222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8020, 91.0147, 67.5525 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, 254, 199)` looks like.

```
.text, #text, p{  
    color:rgb(225, 254, 199)  
}
```

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, 254, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 254, 199) }
```

Border

The CSS property to change the border of an element to XYZ 76.8020, 91.0147, 67.5525 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, 254, 199) }
```


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

```
.border{ border-color:rgb(225, 254, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 254, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 254, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 254, 199); box-shadow:4px 4px 4px 4px rgb(225, 254, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8020, 91.0147, 67.5525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 254, 199) }
```

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

```
.background{ background-color: rgb(225,  
254, 199) }
```

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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