

Converting Colors

XYZ(101.1666, 141.2558,
77.2197)

Have a look what the booklet for
XYZ(101.1666, 141.2558, 77.2197)
contains.

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Color

**XYZ(76.1214, 91.1092,
68.8322)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFC9
RGB	221, 255, 201
RGB Percent	87%, 100%, 79%
CMY	0.1333, 0.0000, 0.2118
CMYK	0.13, 0.00, 0.21, 0.00
HSL	98°, 100%, 89%
HSV	98°, 21%, 100%
XYZ	76.1214, 91.1092, 68.8322
YIQ	238.6780, -2.9300, -24.0020

Conversions

Conversions Part 2

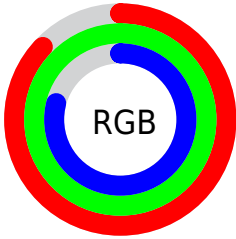
Format	Color
R _Y B	201, 255, 235
Decimal	14548937
CIE Lab	96.45, -20.39, 22.24
CIE LCh	96, 30.172, 132.517
Yxy	91.1092, 0.3225, 0.3860
Android (android.graphics.Color)	4292739017 (0xFFDDFFC9)
YUV	238.6780, -18.5753, -15.5036
Hunter-Lab	95.4511, -24.6874, 24.0603

Details

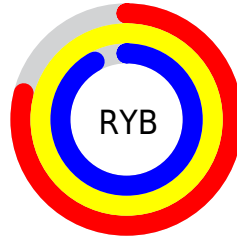
The XYZ color **76.1214, 91.1092, 68.8322** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1986, 66.6567, 103.6158**, and the grayscale version is **81.9346, 86.2016, 93.8735**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9776, 50.4941, 35.1903** is the 20% darker color. If you saturate the color by 10%, you get **68.7090, 87.6063, 54.1049**, and if you desaturate by 10%, it is **84.5005, 95.0529, 86.2068**.

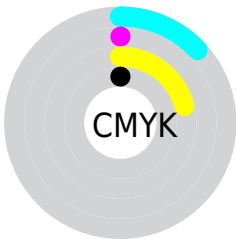
Distribution



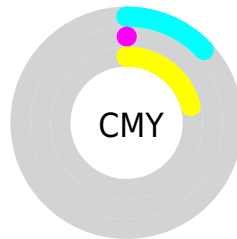
- Red (87%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (92%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1214, 91.1092, 68.8322 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 76.1214, 91.1092, 68.8322 by changing the saturation by 10% instead.


 76.1214, 91.1092,
68.8322

 76.1214, 91.1092,
68.8322


470.7012,
531.6325, 475.1168

 56.8295, 68.9010,
50.1042

126.8779,
148.8782, 119.2073

 41.1079, 50.6311,
35.1244


159.0733,
185.2077, 151.6915

 28.5915, 35.9151,
23.4744

196.3004,
227.0131, 189.5981

 18.9147, 24.3686,
14.7356

238.9248,
274.6788, 233.3457

 11.7123, 15.6073,
8.4895

287.3116,
328.5892, 283.3528

 6.6189, 9.2467,
4.3175

341.8264,

 3.2691, 4.9024,

389.1287, 340.0380

1.8011

402.8345,
456.6817, 403.8199

■ 1.2976, 2.1901,
0.4287

■ 0.1814, 0.7146,
0.0000

■ 76.1214, 91.1092,
68.8322

■ 76.1214, 91.1092,
68.8322

■ 68.7090, 87.6063,
54.1049

■ 84.5005, 95.0529,
86.2068

■ 62.2240, 84.5268,
41.8909

■ 93.8800, 99.4522,
106.3455

■ 56.6267, 81.8533,
32.0505

95.0500, 100.0000,
108.9000

■ 51.8736, 79.5667,
24.4288

■ 47.9166, 77.6461,
18.8527

■ 44.7023, 76.0683,
15.1231

■ 42.1686, 74.8064,
13.0013

■ 40.4216, 73.9231,
12.1382

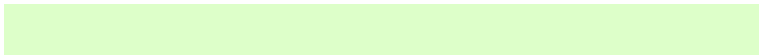
Harmonies

Analogous

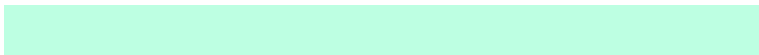
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1390, 91.1092, 60.5113



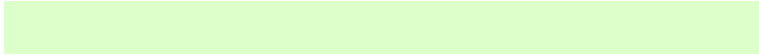
76.1214, 91.1092, 68.8322



72.0702, 91.1092, 85.9293

Triad

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



76.1214, 91.1092, 68.8322



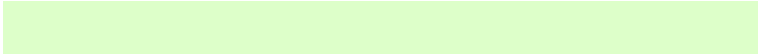
81.8287, 91.1092, 150.2563



103.3619, 91.1092, 89.5001

Complementary

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



76.1214, 91.1092, 68.8322



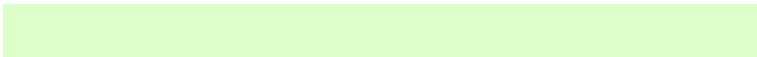
73.1986, 66.6567, 103.6158

Split Complementary

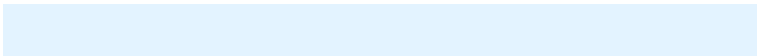
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.9544, 91.1092, 113.7765



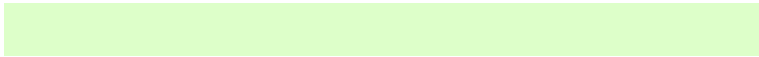
76.1214, 91.1092, 68.8322



90.1487, 91.1092, 151.6304

Square

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



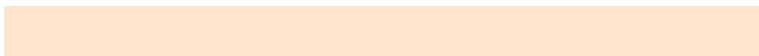
76.1214, 91.1092, 68.8322



75.2158, 91.1092, 133.9076



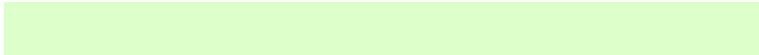
97.9912, 91.1092, 137.4035



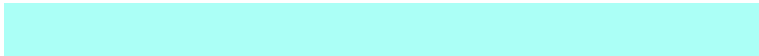
99.0711, 91.1092, 71.0803

Rectangle

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



76.1214, 91.1092, 68.8322



71.4250, 91.1092, 101.2500



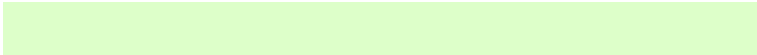
97.9912, 91.1092, 137.4035



103.7774, 91.1092, 97.1826

Sweetspot

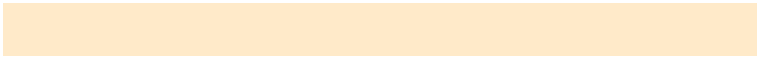
The Sweet Spot groups the original color and five complimentary colors.



76.1220, 91.1095, 68.8336



89.2278, 97.2719, 96.2772



81.2914, 84.4943, 67.2842



18.9675, 20.7588, 20.3264



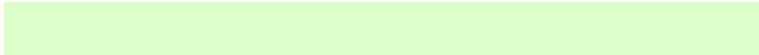
0.0000, 0.0000, 0.0000



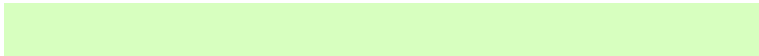
20.3446, 21.4041, 23.3091

Same Dimension

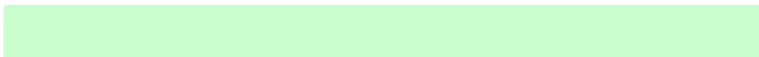
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1220, 91.1095, 68.8336



73.1749, 89.7186, 62.8953



71.1475, 88.4576, 72.5494



18.4070, 20.4957, 19.1302



21.2716, 38.7040, 6.3495



2.1868, 3.8281, 0.6236

Inverse Universe

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



73.1986, 66.6567, 103.6158



69.8162, 61.6445, 102.8266



79.1793, 69.8552, 98.6878



18.1023, 17.9445, 22.7595



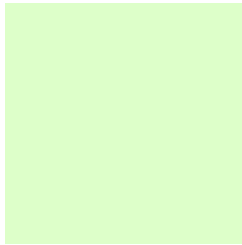
17.2354, 7.7957, 50.0309



1.7988, 0.8212, 4.8770

Previews

White Background



This preview shows how the XYZ color 76.1214, 91.1092, 68.8322 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 76.1214, 91.1092, 68.8322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

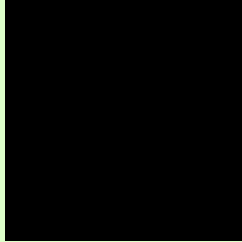
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

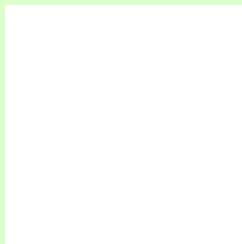
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1214, 91.1092, 68.8322

Background



This preview shows how black text looks on a background with the XYZ color 76.1214, 91.1092, 68.8322.



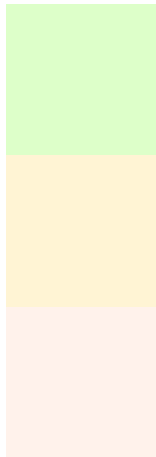
This preview shows how white text looks on a background with the XYZ color 76.1214, 91.1092,

68.8322.

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

76.1214, 91.1092, 68.8322

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

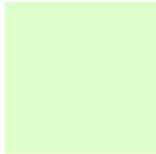
87.9875, 90.7624, 91.4787



Tritanopia

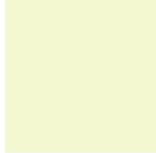
85.9623, 90.7020, 107.5843

Trichromacy



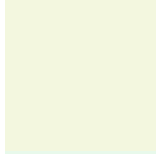
Original Color

76.1214, 91.1092, 68.8322



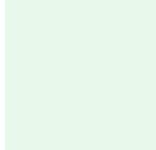
Protanomaly

81.9147, 90.7436, 72.8724



Deuteranomaly

83.5422, 90.9039, 82.9551



Tritanomaly

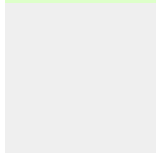
82.1498, 90.9053, 91.8140

Monochromacy



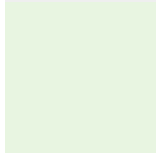
Original Color

76.1214, 91.1092, 68.8322



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.5217, 87.8969, 84.0087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1214, 91.1092, 68.8322 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(221, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 201)  
}
```

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(221, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 76.1214, 91.1092, 68.8322 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(221, 255, 201) }
```


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

```
.border{ border-color:rgb(221, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(221, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1214, 91.1092, 68.8322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 201) }
```

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

```
.background{ background-color: rgb(221,  
255, 201) }
```

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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