

Converting Colors

XYZ(106.2127, 150.4965,
80.2388)

Have a look what the booklet for
XYZ(106.2127, 150.4965, 80.2388)
contains.

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Color

**XYZ(76.6637, 91.3614,
70.0938)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFCB
RGB	222, 255, 203
RGB Percent	87%, 100%, 80%
CMY	0.1294, 0.0000, 0.2039
CMYK	0.13, 0.00, 0.20, 0.00
HSL	98°, 100%, 90%
HSV	98°, 20%, 100%
XYZ	76.6637, 91.3614, 70.0938
YIQ	239.2050, -2.9760, -23.1680

Conversions

Conversions Part 2

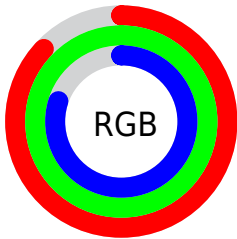
Format	Color
R_{YB}	203, 255, 236
Decimal	14614475
CIE _{Lab}	96.56, -19.74, 21.38
CIE _{LCh}	97, 29.094, 132.718
Y _{xy}	91.3614, 0.3220, 0.3837
Android (android.graphics.Color)	4292804555 (0xFFDEFFCB)
YUV	239.2050, -17.8491, -15.0888
Hunter-Lab	95.5832, -24.1023, 23.4292

Details

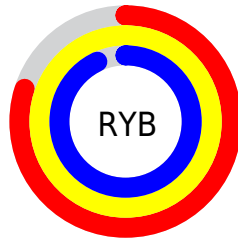
The XYZ color **76.6637, 91.3614, 70.0938** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9989, 67.7659, 103.7877**, and the grayscale version is **82.3396, 86.6276, 94.3375**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3448, 50.6651, 36.0340** is the 20% darker color. If you saturate the color by 10%, you get **69.1491, 87.8102, 55.1624**, and if you desaturate by 10%, it is **85.1551, 95.3584, 87.6826**.

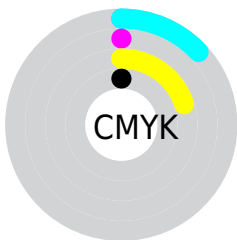
Distribution



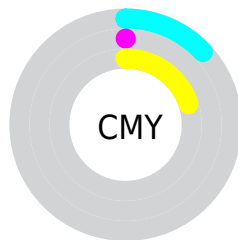
- Red (87%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6637, 91.3614, 70.0938 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 76.6637, 91.3614, 70.0938 by changing the saturation by 10% instead.

 76.6637, 91.3614,
70.0938

 76.6637, 91.3614,
70.0938

472.5262,
532.4495, 479.6773

 57.2759, 69.1103,
51.1257


127.6400,
149.2280, 121.0249

 41.4678, 50.8016,
35.9313


159.9592,
185.6123, 153.8250

 28.8741, 36.0507,
24.0918

197.3196,
227.4765, 192.0728

 19.1294, 24.4734,
15.1889

240.0864,
275.2050, 236.1870

 11.8684, 15.6851,
8.8040

288.6252,
329.1822, 286.5859

 6.7257, 9.3016,
4.5185

343.3011,

 3.3359, 4.9384,

389.7924, 343.6883

1.9139

404.4797,
457.4200, 407.9126

■ 1.3338, 2.2112,
0.5015

■ 0.2083, 0.7261,
0.0000

■ 76.6637, 91.3614,
70.0938

■ 76.6637, 91.3614,
70.0938

■ 69.1491, 87.8102,
55.1624

■ 85.1551, 95.3584,
87.6826

■ 62.5719, 84.6873,
42.7551

94.6571, 99.8160,
108.0452

■ 56.8922, 81.9753,
32.7332

95.0500, 100.0000,
108.9000

■ 52.0664, 79.6549,
24.9432

■ 48.0466, 77.7052,
19.2134

■ 44.7792, 76.1031,
15.3471

■ 42.2026, 74.8216,
13.1095

■ 40.2916, 73.8561,
12.1321

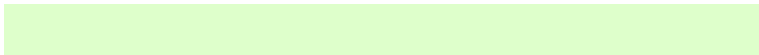
Harmonies

Analogous

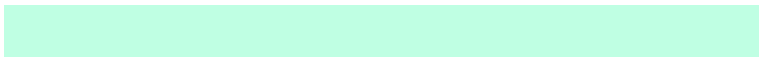
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4422, 91.3614, 61.9055



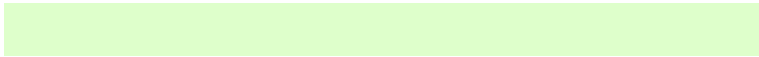
76.6637, 91.3614, 70.0938



72.7573, 91.3614, 86.7689

Triad

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



76.6637, 91.3614, 70.0938



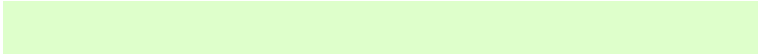
82.2775, 91.3614, 148.6049



102.9839, 91.3614, 89.9488

Complementary

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



76.6637, 91.3614, 70.0938



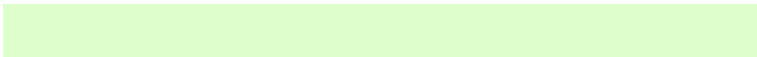
73.9989, 67.7659, 103.7877

Split Complementary

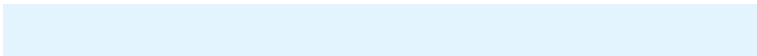
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6235, 91.3614, 113.3691



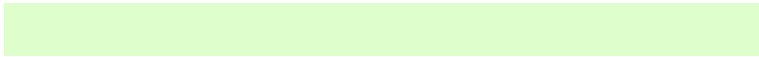
76.6637, 91.3614, 70.0938



90.3211, 91.3614, 149.8133

Square

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



76.6637, 91.3614, 70.0938



75.8570, 91.3614, 133.0200



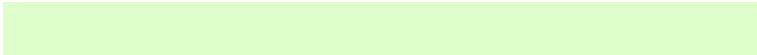
97.8711, 91.3614, 136.1014



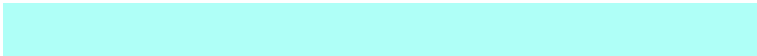
98.8269, 91.3614, 72.1078

Rectangle

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



76.6637, 91.3614, 70.0938



72.1478, 91.3614, 101.6137



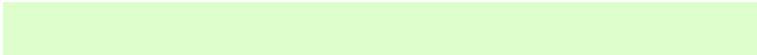
97.8711, 91.3614, 136.1014



103.3941, 91.3614, 97.3705

Sweetspot

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



76.6643, 91.3617, 70.0952



89.2012, 97.2582, 96.2759



81.9962, 85.5249, 68.6875



18.9612, 20.7556, 20.3261



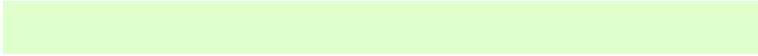
0.0000, 0.0000, 0.0000



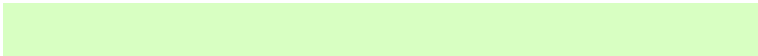
20.3446, 21.4041, 23.3091

Same Dimension

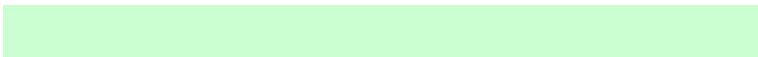
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6643, 91.3617, 70.0952



73.8417, 90.0296, 64.4068



72.0140, 88.8667, 74.2879



18.3982, 20.4912, 19.1298



21.2024, 38.6683, 6.3463



2.1794, 3.8243, 0.6233

Inverse Universe

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



73.9989, 67.7659, 103.7877



70.7838, 62.9775, 103.0329



79.5501, 70.7543, 98.3256



18.1114, 17.9492, 22.7599



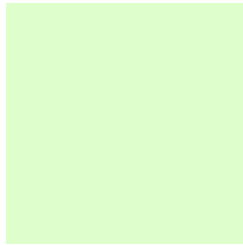
17.3688, 7.8644, 50.0371



1.8113, 0.8277, 4.8776

Previews

White Background



This preview shows how the XYZ color 76.6637, 91.3614, 70.0938 looks on a white background.

Color Contrast Check

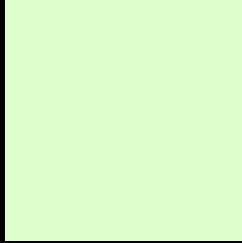
Large Text (above 18pt) WCAG AA × Fail

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 76.6637, 91.3614, 70.0938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

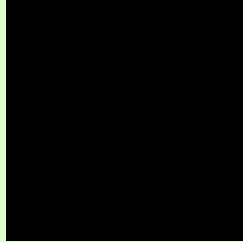
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

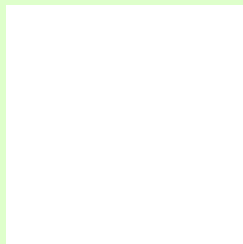
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6637, 91.3614, 70.0938

Background



This preview shows how black text looks on a background with the XYZ color 76.6637, 91.3614, 70.0938.



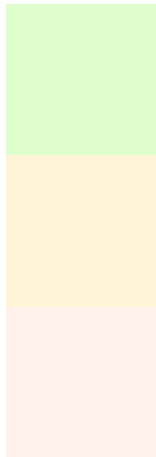
This preview shows how white text looks on a background with the XYZ color 76.6637, 91.3614,

70.0938.

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

76.6637, 91.3614, 70.0938

Protanopia

85.7283, 90.8164, 76.6293

Deuteranopia

88.1325, 90.8204, 92.2419



Tritanopia

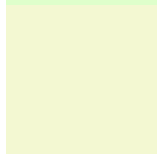
86.6024, 91.4823, 107.7011

Trichromacy



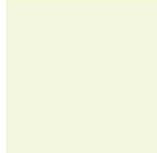
Original Color

76.6637, 91.3614, 70.0938



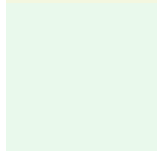
Protanomaly

82.1624, 90.8426, 74.1767



Deuteranomaly

83.6775, 90.9580, 83.6674



Tritanomaly

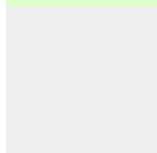
82.6203, 91.1311, 92.5924

Monochromacy



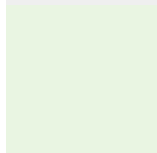
Original Color

76.6637, 91.3614, 70.0938



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9841, 88.1194, 84.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6637, 91.3614, 70.0938 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(222, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 203)  
}
```

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(222, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 76.6637, 91.3614, 70.0938 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(222, 255, 203) }
```


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

```
.border{ border-color:rgb(222, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6637, 91.3614, 70.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 203) }
```

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

```
.background{ background-color: rgb(222,  
255, 203) }
```

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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