

Converting Colors

XYZ(76.8165, 91.4264, 70.7251)

Have a look what the booklet for
XYZ(76.8165, 91.4264, 70.7251)
contains.

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Color

**XYZ(76.7833, 91.4092,
70.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFCC
RGB	222, 255, 204
RGB Percent	87%, 100%, 80%
CMY	0.1294, 0.0000, 0.2000
CMYK	0.13, 0.00, 0.20, 0.00
HSL	99°, 100%, 90%
HSV	99°, 20%, 100%
XYZ	76.7833, 91.4092, 70.7236
YIQ	239.3190, -3.2970, -22.8570

Conversions

Conversions Part 2

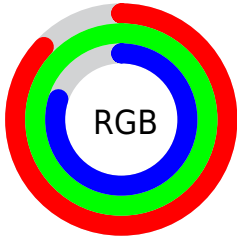
Format	Color
RYB	204, 255, 237
Decimal	14614476
CIELab	96.58, -19.58, 20.89
CIELCh	97, 28.634, 133.141
Yxy	91.4092, 0.3214, 0.3826
Android (android.graphics.Color)	4292804556 (0xFFDEFFCC)
YUV	239.3190, -17.4123, -15.1888
Hunter-Lab	95.6082, -23.9602, 23.0675

Details

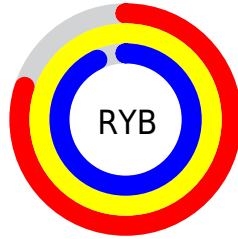
The XYZ color **76.7833, 91.4092, 70.7236** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.5688, 68.4115, 103.8823**, and the grayscale version is **82.4254, 86.7179, 94.4358**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4250, 50.6972, 36.4564** is the 20% darker color. If you saturate the color by 10%, you get **69.1617, 87.8051, 55.6872**, and if you desaturate by 10%, it is **85.4016, 95.4693, 88.4232**.

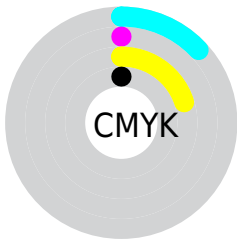
Distribution



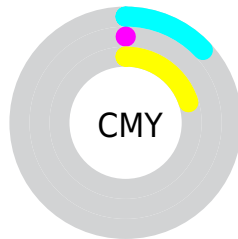
- Red (87%)
- Green (100%)
- Blue (80%)



- 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 76.7833, 91.4092, 70.7236 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 76.7833, 91.4092, 70.7236 by changing the saturation by 10% instead.

76.7833, 91.4092,
70.7236

76.7833, 91.4092,
70.7236

472.9281,
532.6043, 481.9442

57.3743, 69.1500,
51.6362

127.8080,
149.2943, 121.9309

41.5472, 50.8339,
36.3350

160.1545,
185.6890, 154.8878

28.9364, 36.0764,
24.4013

197.5441,
227.5643, 193.3050

19.1768, 24.4932,
15.4166

240.3424,
275.3047, 237.6011

11.9029, 15.6999,
8.9624

288.9146,
329.2945, 288.1945

6.7493, 9.3120,
4.6202

343.6260,

3.3507, 4.9453,

389.9181, 345.5038

1.9714

404.8421,
457.5599, 409.9475

■ 1.3418, 2.2152,
0.5376

■ 0.2142, 0.7283,
0.0000

■ 76.7833, 91.4092,
70.7236

■ 76.7833, 91.4092,
70.7236

■ 69.1617, 87.8051,
55.6872

■ 85.4016, 95.4693,
88.4232

■ 62.4965, 84.6389,
43.1810

95.0500, 100.0000,
108.9000

■ 56.7470, 81.8929,
33.0667

■ 51.8688, 79.5473,
25.1913

■ 47.8133, 77.5810,
19.3840

■ 44.5260, 75.9700,
15.4491

■ 41.9444, 74.6873,
13.1538

■ 39.9765, 73.6937,
12.1174

■ 39.9763, 73.6936,
12.1173

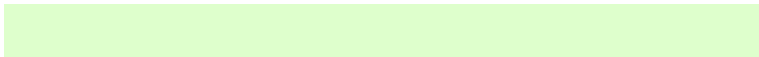
Harmonies

Analogous

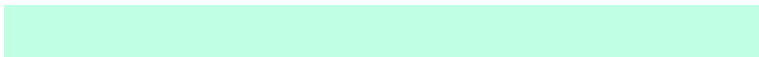
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4317, 91.4092, 62.5012



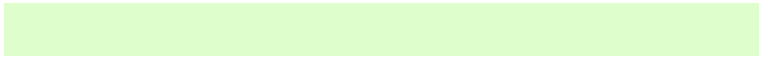
76.7833, 91.4092, 70.7236



72.9779, 91.4092, 87.2929

Triad

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



76.7833, 91.4092, 70.7236



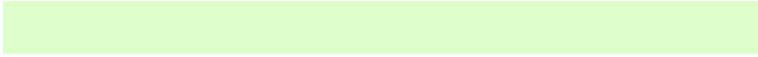
82.4969, 91.4092, 147.9161



102.7366, 91.4092, 89.8470

Complementary

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



76.7833, 91.4092, 70.7236



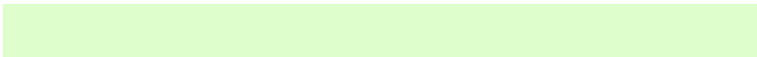
74.5688, 68.4115, 103.8823

Split Complementary

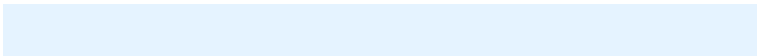
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.4480, 91.4092, 112.8585



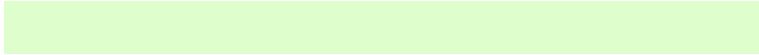
76.7833, 91.4092, 70.7236



90.4255, 91.4092, 148.8816

Square

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



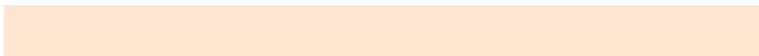
76.7833, 91.4092, 70.7236



76.1352, 91.4092, 132.7897



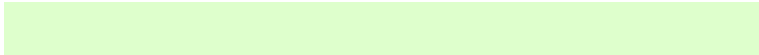
97.8288, 91.4092, 135.2542



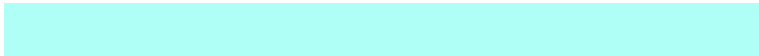
98.5946, 91.4092, 72.3452

Rectangle

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



76.7833, 91.4092, 70.7236



72.4114, 91.4092, 101.9620



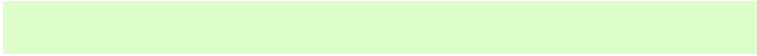
97.8288, 91.4092, 135.2542



103.1617, 91.4092, 97.1351

Sweetspot

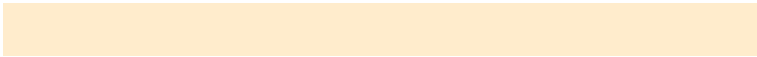
The Sweet Spot groups the original color and five complimentary colors.



76.7839, 91.4095, 70.7250



89.1347, 97.2239, 96.2728



82.2215, 85.7840, 69.3526



18.9456, 20.7475, 20.3254



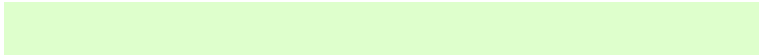
0.0000, 0.0000, 0.0000



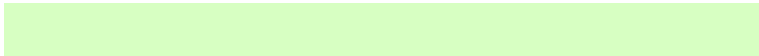
20.3446, 21.4041, 23.3091

Same Dimension

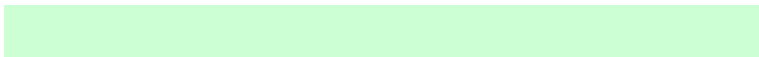
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7839, 91.4095, 70.7250



73.6170, 89.9137, 64.3963



72.3955, 89.0509, 74.8708



18.3764, 20.4799, 19.1288



21.0345, 38.5818, 6.3384



2.1613, 3.8150, 0.6224

Inverse Universe

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



74.5688, 68.4115, 103.8823



71.0324, 63.1057, 103.0445



79.8078, 71.2365, 98.5136



18.1341, 17.9609, 22.7610



17.7077, 8.0392, 50.0530



1.8428, 0.8439, 4.8790

Previews

White Background



This preview shows how the XYZ color 76.7833, 91.4092, 70.7236 looks on a white background.

Color Contrast Check

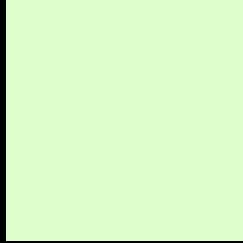
Large Text (above 18pt) WCAG AA × Fail

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 76.7833, 91.4092, 70.7236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

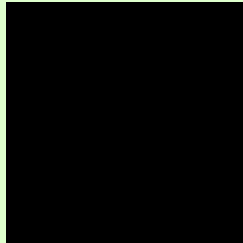
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

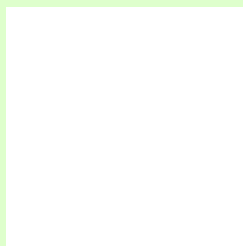
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7833, 91.4092, 70.7236

Background



This preview shows how black text looks on a background with the XYZ color 76.7833, 91.4092, 70.7236.



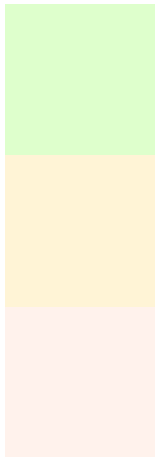
This preview shows how white text looks on a background with the XYZ color 76.7833, 91.4092,

70.7236.

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

76.7833, 91.4092, 70.7236

Protanopia

85.7283, 90.8164, 76.6293

Deuteranopia

88.1325, 90.8204, 92.2419



Tritanopia

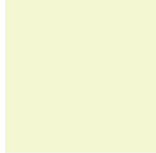
86.6024, 91.4823, 107.7011

Trichromacy



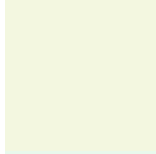
Original Color

76.7833, 91.4092, 70.7236



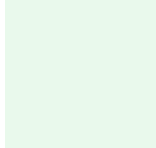
Protanomaly

82.1624, 90.8426, 74.1767



Deuteranomaly

83.6775, 90.9580, 83.6674



Tritanomaly

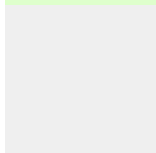
82.6203, 91.1311, 92.5924

Monochromacy



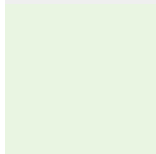
Original Color

76.7833, 91.4092, 70.7236



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 76.7833, 91.4092, 70.7236 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 76.7833, 91.4092, 70.7236 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, 204) }
```


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

```
.border{ border-color:rgb(222, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7833, 91.4092, 70.7236 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, 204) }
```

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

```
.background{ background-color: rgb(222,  
255, 204) }
```

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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