

Converting Colors

XYZ(148.4650, 233.8053,
98.1129)

Have a look what the booklet for
XYZ(148.4650, 233.8053, 98.1129)
contains.

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Color

**XYZ(77.5171, 91.7027,
74.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFD2
RGB	222, 255, 210
RGB Percent	87%, 100%, 82%
CMY	0.1294, 0.0000, 0.1765
CMYK	0.13, 0.00, 0.18, 0.00
HSL	104°, 100%, 91%
HSV	104°, 18%, 100%
XYZ	77.5171, 91.7027, 74.5876
YIQ	240.0030, -5.2230, -20.9910

Conversions

Conversions Part 2

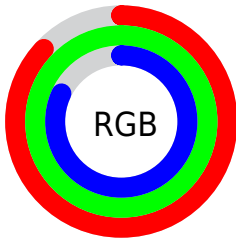
Format	Color
RYB	210, 255, 243
Decimal	14614482
CIELab	96.70, -18.62, 18.00
CIELCh	97, 25.900, 135.966
Yxy	91.7027, 0.3179, 0.3761
Android (android.graphics.Color)	4292804562 (0xFFDEFFD2)
YUV	240.0030, -14.7915, -15.7886
Hunter-Lab	95.7615, -23.0904, 20.8527

Details

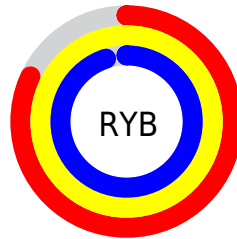
The XYZ color **77.5171, 91.7027, 74.5876** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.0595, 72.3691, 104.4622**, and the grayscale version is **82.9414, 87.2608, 95.0270**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0468, 50.9702, 38.6325** is the 20% darker color. If you saturate the color by 10%, you get **69.1752, 87.7407, 58.9136**, and if you desaturate by 10%, it is **87.0019, 96.1955, 92.9603**.

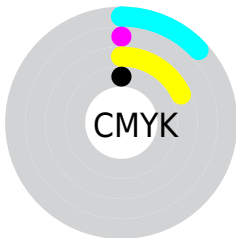
Distribution



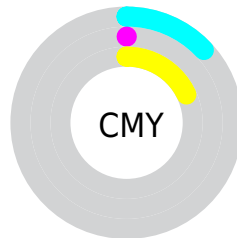
- Red (87%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (95%)



- Cyan (13%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5171, 91.7027, 74.5876 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 77.5171, 91.7027, 74.5876 by changing the saturation by 10% instead.

77.5171, 91.7027,
74.5876

77.5171, 91.7027,
74.5876

475.3902,
533.5542, 495.7164

57.9788, 69.3937,
54.7754

128.8381,
149.7013, 127.4701

42.0348, 51.0324,
38.8245

161.3516,
186.1597, 161.3776

29.3198, 36.2344,
26.3165

198.9207,
228.1033, 200.8205

19.4683, 24.6153,
16.8327

241.9110,
275.9166, 246.2175

12.1152, 15.7907,
9.9546

290.6877,
329.9840, 297.9870

6.8949, 9.3761,
5.2636

345.6163,

3.4422, 4.9873,

390.6897, 356.5476

2.3413

407.0620,
458.4184, 422.3179

■ 1.3917, 2.2398,
0.7542

■ 0.2503, 0.7416,
0.0000

■ 77.5171, 91.7027,
74.5876

■ 77.5171, 91.7027,
74.5876

■ 69.1752, 87.7407,
58.9136

■ 87.0019, 96.1955,
92.9603

■ 61.9297, 84.2880,
45.8070

95.0500, 100.0000,
108.9000

■ 55.7336, 81.3237,
35.1322

■ 50.5356, 78.8244,
26.7391

■ 46.2798, 76.7650,
20.4611

■ 42.9042, 75.1177,
16.1091

■ 40.3383, 73.8509,
13.4599

■ 38.4954, 72.9263,
12.2196

■ 38.1438, 72.7489,
12.0316

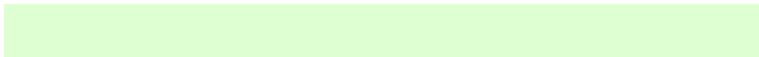
Harmonies

Analogous

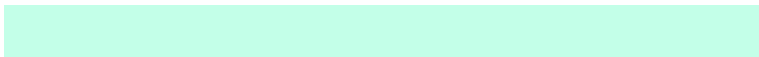
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3819, 91.7027, 66.1708



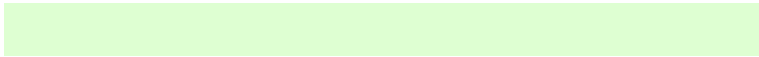
77.5171, 91.7027, 74.5876



74.3229, 91.7027, 90.4758

Triad

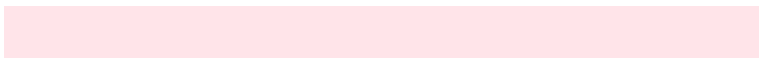
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5171, 91.7027, 74.5876



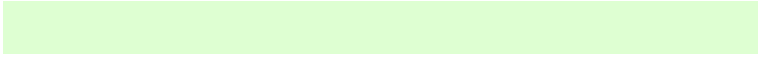
83.8234, 91.7027, 143.8090



101.2631, 91.7027, 89.2639

Complementary

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



77.5171, 91.7027, 74.5876



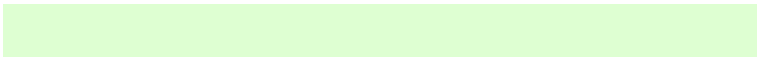
78.0595, 72.3691, 104.4622

Split Complementary

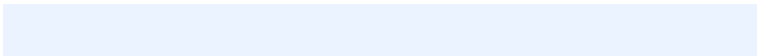
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3976, 91.7027, 109.8474



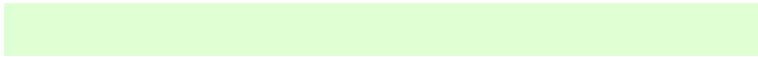
77.5171, 91.7027, 74.5876



91.0519, 91.7027, 143.3652

Square

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



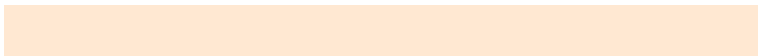
77.5171, 91.7027, 74.5876



77.8248, 91.7027, 131.3919



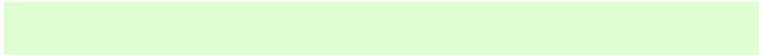
97.5726, 91.7027, 130.2523



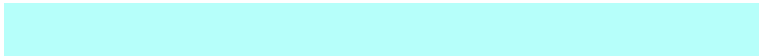
97.2148, 91.7027, 73.8068

Rectangle

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



77.5171, 91.7027, 74.5876



74.0170, 91.7027, 104.0562



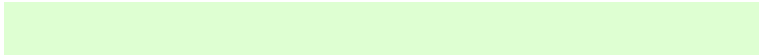
97.5726, 91.7027, 130.2523



101.7749, 91.7027, 95.7561

Sweetspot

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



77.5178, 91.7031, 74.5890



89.7080, 97.4754, 98.2879



84.9239, 90.0148, 73.8728



19.0456, 20.7902, 20.7307



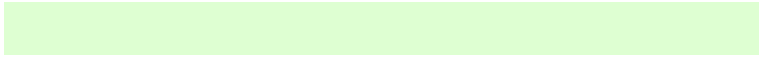
0.0000, 0.0000, 0.0000



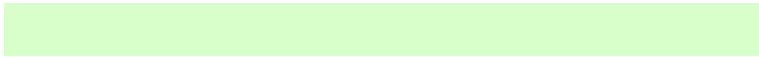
20.3446, 21.4041, 23.3091

Same Dimension

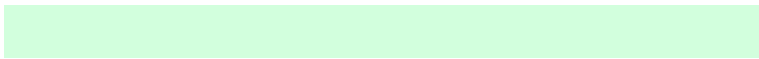
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5178, 91.7031, 74.5890



74.5948, 90.3161, 69.0375



75.3238, 90.4159, 81.5410



18.2258, 20.4023, 19.1218



20.0506, 38.0745, 6.2923



2.0505, 3.7578, 0.6173

Inverse Universe

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



78.0595, 72.3691, 104.4622



75.2219, 67.8550, 103.7404



80.6924, 73.9163, 96.0013



18.2924, 18.0424, 22.7684



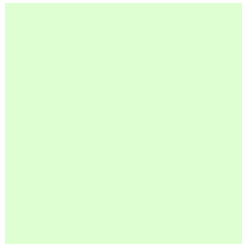
20.2890, 9.3698, 50.1738



2.0791, 0.9657, 4.8901

Previews

White Background



This preview shows how the XYZ color 77.5171, 91.7027, 74.5876 looks on a white background.

Color Contrast Check

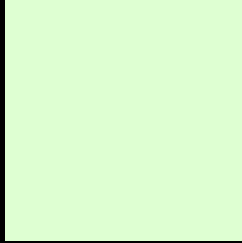
Large Text (above 18pt) WCAG AA × Fail

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 77.5171, 91.7027, 74.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

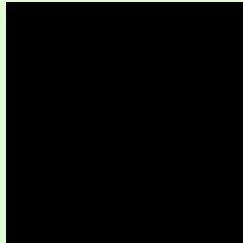
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

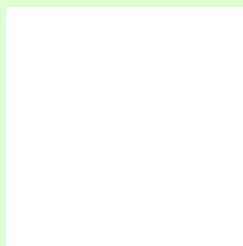
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5171, 91.7027, 74.5876

Background



This preview shows how black text looks on a background with the XYZ color 77.5171, 91.7027, 74.5876.

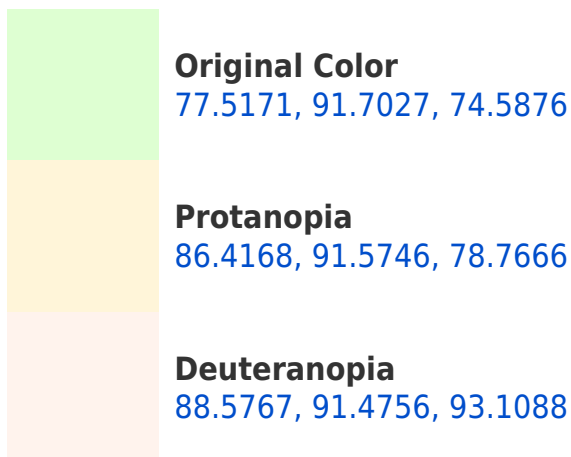


This preview shows how white text looks on a background with the XYZ color 77.5171, 91.7027,

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





Tritanopia

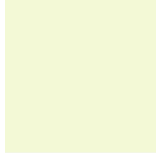
86.6024, 91.4823, 107.7011

Trichromacy



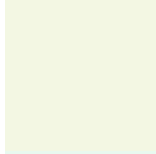
Original Color

77.5171, 91.7027, 74.5876



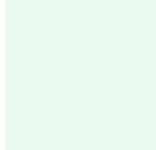
Protanomaly

82.9754, 91.6611, 76.9374



Deuteranomaly

84.0880, 91.1223, 85.8295



Tritanomaly

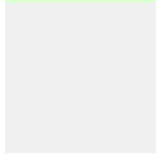
83.0599, 91.3070, 94.9076

Monochromacy



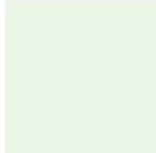
Original Color

77.5171, 91.7027, 74.5876



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.3995, 88.2856, 86.9321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5171, 91.7027, 74.5876 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 77.5171, 91.7027, 74.5876 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, 210) }
```


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

```
.border{ border-color:rgb(222, 255, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5171, 91.7027, 74.5876 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, 210) }
```

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

```
.background{ background-color: rgb(222,  
255, 210) }
```

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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