

Converting Colors

XYZ(74.8676, 90.0403, 87.8621)

Have a look what the booklet for
XYZ(74.8676, 90.0403, 87.8621)
contains.

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Color

**XYZ(74.8047, 90.0145,
87.5607)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE5
RGB	204, 255, 229
RGB Percent	80%, 100%, 90%
CMY	0.2000, 0.0000, 0.1020
CMYK	0.20, 0.00, 0.10, 0.00
HSL	149°, 100%, 90%
HSV	149°, 20%, 100%
XYZ	74.8047, 90.0145, 87.5607
YIQ	236.7870, -22.0500, -18.8980

Conversions

Conversions Part 2

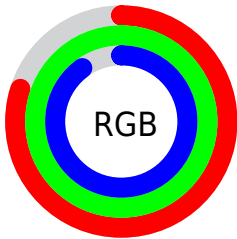
Format	Color
RYB	204, 238, 255
Decimal	13434853
CIELab	96.00, -21.13, 7.12
CIELCh	96, 22.302, 161.375
Yxy	90.0145, 0.2964, 0.3567
Android (android.graphics.Color)	4291624933 (0xFFCCFFE5)
YUV	236.7870, -3.8390, -28.7542
Hunter-Lab	94.8760, -25.2951, 11.6946

Details

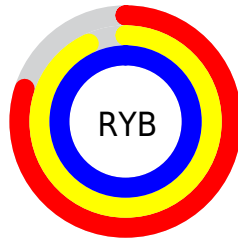
The XYZ color **74.8047, 90.0145, 87.5607** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.1163, 70.1598, 84.3406**, and the grayscale version is **80.3728, 84.5585, 92.0842**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2285, 49.8337, 47.5430** is the 20% darker color. If you saturate the color by 10%, you get **66.6305, 86.0025, 78.0558**, and if you desaturate by 10%, it is **84.2608, 94.6716, 97.8380**.

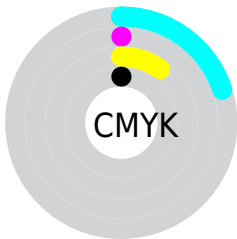
Distribution



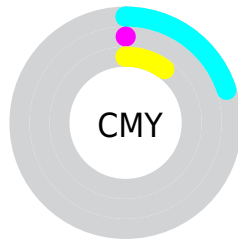
- Red (80%)
- Green (100%)
- Blue (90%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8047, 90.0145, 87.5607 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 74.8047, 90.0145, 87.5607 by changing the saturation by 10% instead.

74.8047, 90.0145,
87.5607

74.8047, 90.0145,
87.5607

466.2536,
528.0780, 540.4275

55.7465, 67.9927,
65.3970

125.0253,
147.3585, 145.8512

40.2359, 49.8918,
47.3297

156.9183,
183.4495, 182.8150

27.9076, 35.3274,
32.9402

193.8204,
224.9990, 225.5494

18.3961, 23.9152,
21.8099

236.0969,
272.3914, 274.4728

11.3361, 15.2707,
13.5203

284.1131,
326.0111, 330.0038

6.3624, 9.0096,
7.6529

338.2344,

3.1094, 4.7474,

386.2426, 392.5609

3.7891

398.8261,
453.4700, 462.5626

■ 1.2119, 2.0999,
1.5104

■ 0.1157, 0.6645,
0.2256

■ 74.8047, 90.0145,
87.5607

■ 74.8047, 90.0145,
87.5607

■ 66.6305, 86.0025,
78.0558

■ 84.2608, 94.6716,
97.8380

■ 59.6771, 82.6044,
69.3007

95.0500, 100.0000,
108.9000

■ 53.8820, 79.7885,
61.2780

■ 49.1759, 77.5194,
53.9679

■ 45.4818, 75.7576,
47.3496

■ 42.7117, 74.4584,
41.4010

■ 40.7612, 73.5682,
36.0986

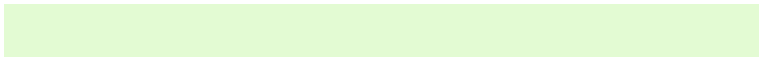
■ 39.4621, 73.0008,
31.4147

■ 39.4620, 73.0008,
31.4144

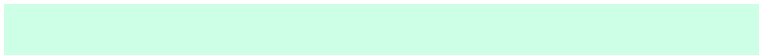
Harmonies

Analogous

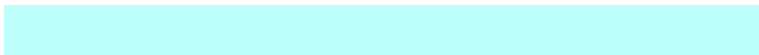
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9556, 90.0145, 74.6734



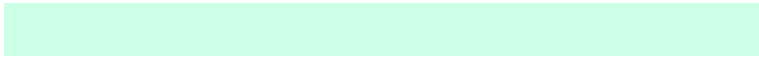
74.8047, 90.0145, 87.5607



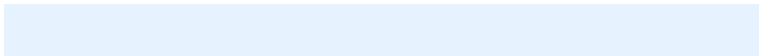
74.4505, 90.0145, 104.8619

Triad

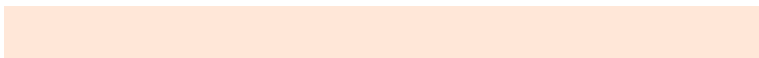
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8047, 90.0145, 87.5607



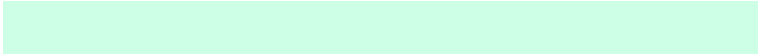
87.9161, 90.0145, 135.2124



94.7655, 90.0145, 77.2347

Complementary

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



74.8047, 90.0145, 87.5607



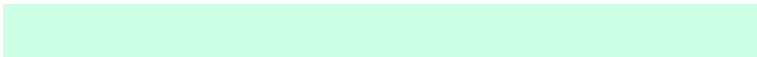
77.1163, 70.1598, 84.3406

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.



97.7146, 90.0145, 91.4642



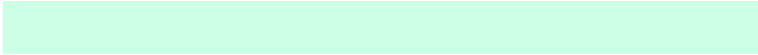
74.8047, 90.0145, 87.5607



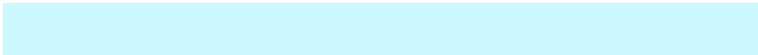
93.6352, 90.0145, 125.7642

Square

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



74.8047, 90.0145, 87.5607



81.8250, 90.0145, 133.8400



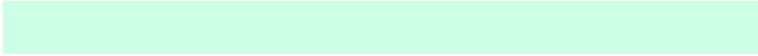
97.2912, 90.0145, 109.2603



89.3989, 90.0145, 69.2245

Rectangle

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



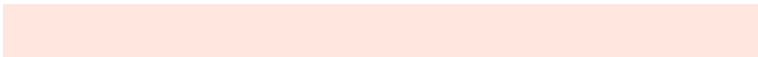
74.8047, 90.0145, 87.5607



75.8269, 90.0145, 116.7747



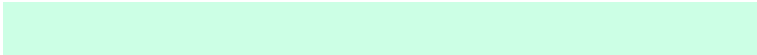
97.2912, 90.0145, 109.2603



96.0838, 90.0145, 81.3724

Sweetspot

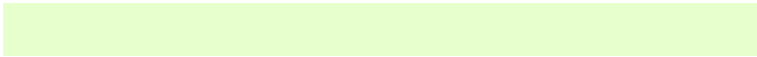
The Sweet Spot groups the original color and five complimentary colors.



74.8055, 90.0149, 87.5621



88.4128, 96.7206, 102.1669



79.4052, 92.7608, 70.8475



18.7757, 20.6290, 21.7147



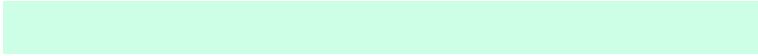
0.0000, 0.0000, 0.0000



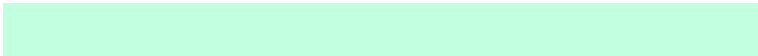
20.3446, 21.4041, 23.3091

Same Dimension

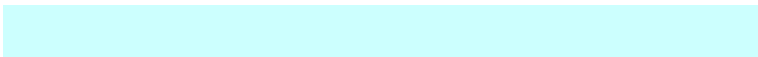
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8055, 90.0149, 87.5621



71.3844, 88.3339, 83.6675



78.5758, 91.5230, 107.4163



18.1427, 20.3166, 21.0545



20.6947, 38.1745, 16.8095



2.0700, 3.7389, 1.9263

Inverse Universe

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



77.1163, 70.1598, 84.3406



74.0777, 65.1908, 79.9121



73.8349, 68.8473, 67.0613



18.3959, 18.1417, 20.7017



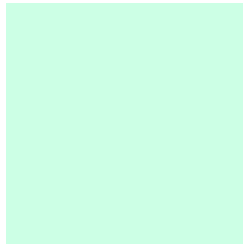
23.7297, 11.9812, 12.4929



2.3657, 1.1886, 1.5071

Previews

White Background



This preview shows how the XYZ color 74.8047, 90.0145, 87.5607 looks on a white background.

Color Contrast Check

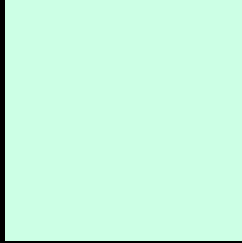
Large Text (above 18pt) WCAG AA × Fail

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 74.8047, 90.0145, 87.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

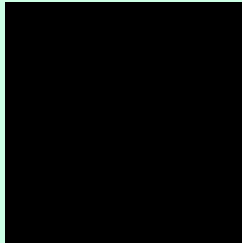
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

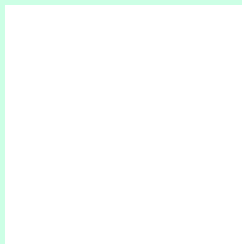
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8047, 90.0145, 87.5607

Background



This preview shows how black text looks on a background with the XYZ color 74.8047, 90.0145, 87.5607.



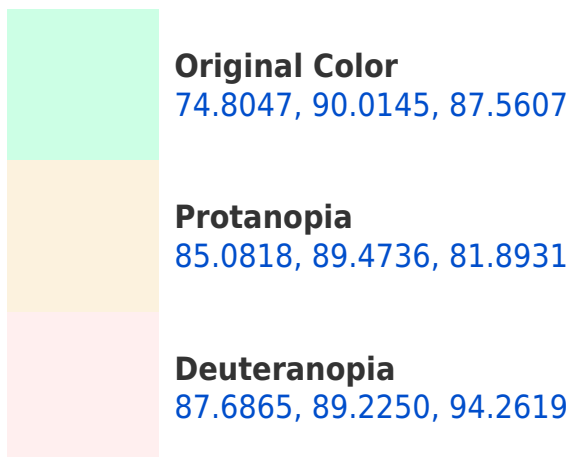
This preview shows how white text looks on a background with the XYZ color 74.8047, 90.0145,

87.5607.

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

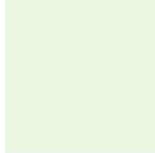
83.3189, 89.7895, 107.5475

Trichromacy



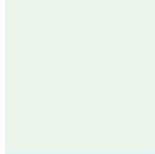
Original Color

74.8047, 90.0145, 87.5607



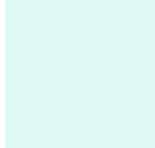
Protanomaly

81.1123, 89.6199, 84.2575



Deuteranomaly

82.2399, 89.1358, 91.4677



Tritanomaly

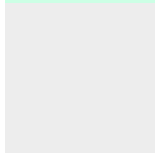
80.0254, 89.6208, 100.2695

Monochromacy



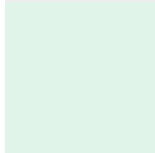
Original Color

74.8047, 90.0145, 87.5607



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2533, 86.6494, 90.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8047, 90.0145, 87.5607 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(204, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 229)  
}
```

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(204, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 74.8047, 90.0145, 87.5607 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(204, 255, 229) }
```


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

```
.border{ border-color:rgb(204, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8047, 90.0145, 87.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 229) }
```

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

```
.background{ background-color: rgb(204,  
255, 229) }
```

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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