

Converting Colors

XYZ(71.7978, 88.9759, 64.3112)

Have a look what the booklet for
XYZ(71.7978, 88.9759, 64.3112)
contains.

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Color

**XYZ(71.7921, 88.9704,
64.4281)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFC2
RGB	209, 255, 194
RGB Percent	82%, 100%, 76%
CMY	0.1804, 0.0000, 0.2392
CMYK	0.18, 0.00, 0.24, 0.00
HSL	105°, 100%, 88%
HSV	105°, 24%, 100%
XYZ	71.7921, 88.9704, 64.4281
YIQ	234.2920, -7.8350, -28.7230

Conversions

Conversions Part 2

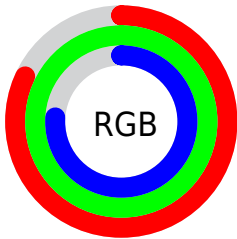
Format	Color
RYB	194, 255, 240
Decimal	13762498
CIELab	95.57, -25.54, 24.45
CIELCh	96, 35.360, 136.250
Yxy	88.9704, 0.3188, 0.3951
Android (android.graphics.Color)	4291952578 (0xFFD1FFC2)
YUV	234.2920, -19.8640, -22.1811
Hunter-Lab	94.3241, -29.2071, 25.5288

Details

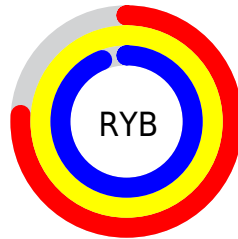
The XYZ color **71.7921, 88.9704, 64.4281** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2779, 64.3301, 103.1625**, and the grayscale version is **78.5775, 82.6697, 90.0273**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **38.2541, 49.1516, 32.2820** is the 20% darker color. If you saturate the color by 10%, you get **64.0529, 85.2836, 50.3770**, and if you desaturate by 10%, it is **80.6806, 93.1927, 81.1007**.

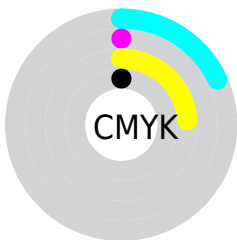
Distribution



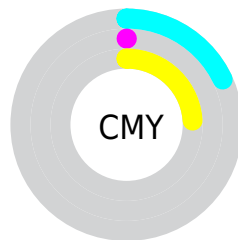
- Red (82%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (94%)



- Cyan (18%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7921, 88.9704, 64.4281 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 71.7921, 88.9704, 64.4281 by changing the saturation by 10% instead.

 71.7921, 88.9704,
64.4281

 71.7921, 88.9704,
64.4281


455.9865,
524.6759, 458.9838

 53.2737, 67.1270,
46.5491


120.7733,
145.9074, 112.8326

 38.2497, 49.1879,
32.3276


151.9668,
181.7698, 144.1952

 26.3546, 34.7685,
21.3449


188.1161,
223.0740, 180.8895

 17.2232, 23.4846,
13.1827

229.5866,
270.2044, 223.3339

 10.4900, 14.9518,
7.4222

276.7435,
323.5454, 271.9469

 5.7898, 8.7855,
3.6451

329.9522,

 2.7571, 4.6016,

383.4814, 327.1473

1.4328

389.5781,
450.3968, 389.3534

■ 1.0267, 2.0154,
0.1671

■ 0.0000, 0.6164,
0.0000

■ 71.7921, 88.9704,
64.4281

■ 71.7921, 88.9704,
64.4281

■ 64.0529, 85.2836,
50.3770

■ 80.6806, 93.1927,
81.1007

■ 57.4129, 82.1097,
38.8103

■ 90.7622, 97.9707,
100.5146

■ 51.8209, 79.4254,
29.5843

■ 95.0500, 100.0000,
108.9000

■ 47.2204, 77.2049,
22.5390

■ 43.5492, 75.4202,
17.4945

■ 40.7377, 74.0399,
14.2421

■ 38.7042, 73.0274,
12.5267

■ 37.7909, 72.5670,
12.0150

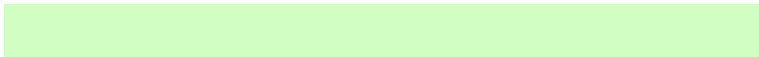
Harmonies

Analogous

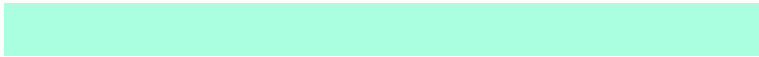
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4506, 88.9704, 54.1041



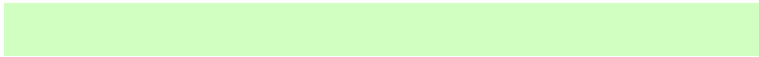
71.7921, 88.9704, 64.4281



67.7080, 88.9704, 84.7223

Triad

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



71.7921, 88.9704, 64.4281



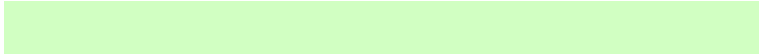
80.2069, 88.9704, 158.5820



103.7660, 88.9704, 82.6805

Complementary

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



71.7921, 88.9704, 64.4281



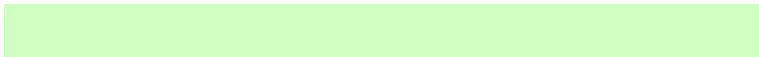
73.2779, 64.3301, 103.1625

Split Complementary

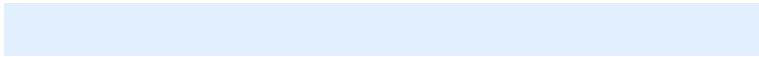
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.0076, 88.9704, 110.1346



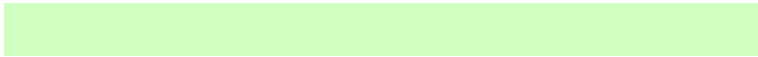
71.7921, 88.9704, 64.4281



89.8916, 88.9704, 157.7457

Square

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



71.7921, 88.9704, 64.4281



72.3092, 88.9704, 140.8150



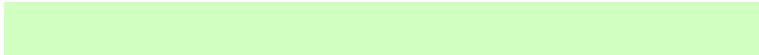
98.7667, 88.9704, 138.7112



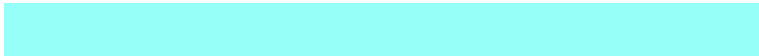
98.1300, 88.9704, 63.1808

Rectangle

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



71.7921, 88.9704, 64.4281



67.3433, 88.9704, 102.8065



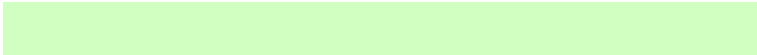
98.7667, 88.9704, 138.7112



104.4948, 88.9704, 91.1736

Sweetspot

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



71.7926, 88.9706, 64.4294



87.5279, 96.4390, 94.2371



82.0646, 87.3286, 63.5711



18.6018, 20.5790, 19.9140



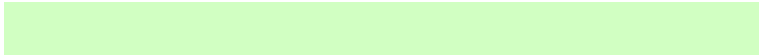
0.0000, 0.0000, 0.0000



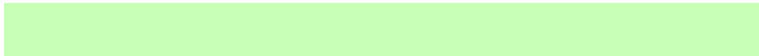
20.3446, 21.4041, 23.3091

Same Dimension

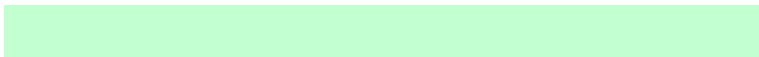
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7926, 88.9706, 64.4294



67.7208, 87.0323, 56.9726



69.5485, 87.6056, 73.7291



18.1899, 20.3838, 19.1201



19.8589, 37.9757, 6.2834



2.0275, 3.7460, 0.6162

Inverse Universe

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



73.2779, 64.3301, 103.1625



69.4479, 58.2610, 102.1929



76.2234, 66.1210, 90.9892



18.3307, 18.0622, 22.7702



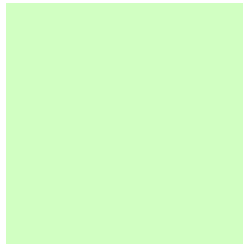
20.9722, 9.7221, 50.2058



2.1408, 0.9975, 4.8930

Previews

White Background



This preview shows how the XYZ color 71.7921, 88.9704, 64.4281 looks on a white background.

Color Contrast Check

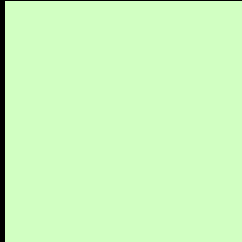
Large Text (above 18pt) WCAG AA × Fail

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 71.7921, 88.9704, 64.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

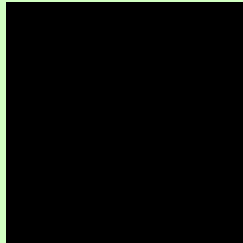
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

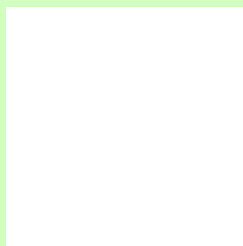
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7921, 88.9704, 64.4281

Background



This preview shows how black text looks on a background with the XYZ color 71.7921, 88.9704, 64.4281.



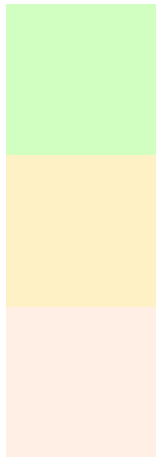
This preview shows how white text looks on a background with the XYZ color 71.7921, 88.9704,

64.4281.

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

71.7921, 88.9704, 64.4281

Protanopia

82.8883, 88.2478, 66.0909

Deuteranopia

86.2494, 88.6501, 86.6941



Tritanopia

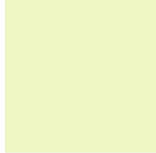
83.0338, 88.7444, 107.3608

Trichromacy



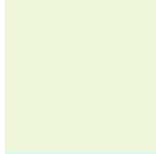
Original Color

71.7921, 88.9704, 64.4281



Protanomaly

78.2937, 88.1199, 65.7056



Deuteranomaly

80.3070, 88.4398, 77.8037



Tritanomaly

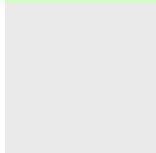
78.3996, 88.5476, 90.0501

Monochromacy



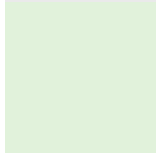
Original Color

71.7921, 88.9704, 64.4281



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5897, 84.6263, 79.3683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7921, 88.9704, 64.4281 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(209, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 194)  
}
```

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(209, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 71.7921, 88.9704, 64.4281 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(209, 255, 194) }
```


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

```
.border{ border-color:rgb(209, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7921, 88.9704, 64.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 194) }
```

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

```
.background{ background-color: rgb(209,  
255, 194) }
```

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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