Converting Colors

XYZ(71.7541, 88.7943, 71.4966)

Have a look what the booklet for XYZ(71.7541, 88.7943, 71.4966) contains.

Color

XYZ(71.8024, 88.8136, 71.7509)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFCE
RGB	204, 255, 206
RGB Percent	80%, 100%, 81%
CMY	0.2000, 0.0000, 0.1921
CMYK	0.20, 0.00, 0.19, 0.00
HSL	122°, 100%, 90%
HSV	122°, 20%, 100%
XYZ	71.8024, 88.8136, 71.7509
YIQ	234.1650, -14.6670, -26.0510

Conversions

Conversions Part 2

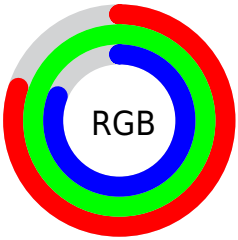
Format	Color
RYB	204, 253, 255
Decimal	13434830
CIELab	95.50, -25.24, 18.20
CIELCh	96, 31.118, 144.197
Yxy	88.8136, 0.3090, 0.3822
Android (android.graphics.Color)	4291624910 (0xFFCCFFCE)
YUV	234.1650, -13.8853, -26.4547
Hunter-Lab	94.2410, -28.9222, 20.8279

Details

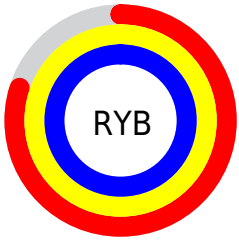
The XYZ color 71.8024, 88.8136, 71.7509 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 80.5627, 71.5381, 102.4899, and the grayscale version is 78.4411, 82.5261, 89.8709.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 38.2560, 49.0447, 37.1560 is the 20% darker color. If you saturate the color by 10%, you get 62.6275, 84.4013, 56.9772, and if you desaturate by 10%, it is 82.5868, 94.0020, 89.0243.

Distribution

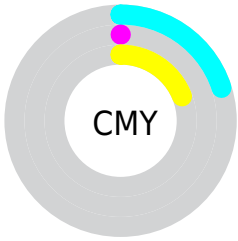


- Red (80%)
- Green (100%)
- Blue (81%)



- Red (80%)
- Yellow (99%)
- Blue (100%)

- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8024, 88.8136, 71.7509 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 71.8024, 88.8136, 71.7509 by changing the saturation by 10% instead.

71.8024, 88.8136, 71.7509

71.8024, 88.8136, 71.7509

456.0218, 524.1639, 485.6283

53.2822, 66.9971, 52.4696

120.7879, 145.6893, 123.4067

38.2564, 49.0822, 36.9947

151.9838, 181.5173, 156.6184

26.3599, 34.6847, 24.9076

188.1357, 222.7846, 195.3105

17.2272, 23.4201, 15.7899

229.6089, 269.8755, 239.9018

10.4929, 14.9040, 9.2228

276.7688, 323.1746, 290.8106

5.7917, 8.7521, 4.7880

329.9806,

2.7583, 4.5798,

383.0660, 348.4557

389.6099, 449.9344, 413.2554

2.0669

1.0273, 2.0029, 0.5959

0.0000, 0.6092, 0.0000

71.8024, 88.8136, 71.7509

71.8024, 88.8136, 71.7509

62.6275, 84.4013, 56.9772

82.5868, 94.0020, 89.0243

54.9832, 80.7269, 44.5836

95.0500, 100.0000, 108.9000

48.7867, 77.7504, 34.4469

43.9466, 75.4277, 26.4313

40.3614, 73.7095, 20.3862

37.9149, 72.5397, 16.1416

36.4695, 71.8515, 13.4985

35.8148, 71.5419, 12.2087

35.8148, 71.5419, 12.2086

Harmonies

Analogous

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

77.8708, 88.8136, 59.8823

71.8024, 88.8136, 71.7509

69.1301, 88.8136, 92.0322

Triad

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

71.8024, 88.8136, 71.7509

82.7676, 88.8136, 151.3489

100.2716, 88.8136, 78.7042

Complementary

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

71.8024, 88.8136, 71.7509

80.5627, 71.5381, 102.4899

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.

101.8008, 88.8136, 101.5291

71.8024, 88.8136, 71.7509

91.3152, 88.8136, 146.1719

Square

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

71.8024, 88.8136, 71.7509

75.1812, 88.8136, 140.0071

98.4236, 88.8136, 126.8576

94.3747, 88.8136, 63.3985

Rectangle

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

71.8024, 88.8136, 71.7509

69.4955, 88.8136, 108.6832

98.4236, 88.8136, 126.8576

101.3294, 88.8136, 85.6370

Sweetspot

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

71.8030, 88.8139, 71.7523

87.3662, 96.3019, 96.6556

87.2766, 96.8187, 71.2155

18.5289, 20.5303, 20.4154

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.

71.8030, 88.8139, 71.7523

67.9436, 86.9576, 65.5481

75.1144, 90.1384, 89.1894

17.8004, 20.1797, 19.2521

18.7265, 37.3872, 6.4449

1.8330, 3.6441, 0.6786

Inverse Universe

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

80.5627, 71.5381, 102.4899

78.1531, 66.8209, 101.3724

76.8091, 70.0367, 82.7240

18.7601, 18.2873, 22.6196

30.1740, 14.5589, 46.4280

2.9472, 1.4212, 4.5691

Previews

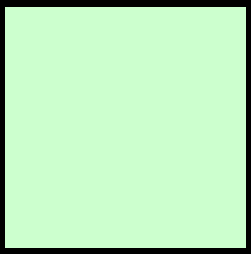
White Background

This preview shows how the XYZ color 71.8024, 88.8136, 71.7509 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



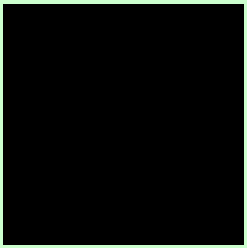
This preview shows how the XYZ color 71.8024, 88.8136, 71.7509 looks on a black background.

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 71.8024, 88.8136, 71.7509 Background



This preview shows how black text looks on a background with the XYZ color 71.8024, 88.8136, 71.7509.

This preview shows how white text looks on a background with the XYZ color 71.8024, 88.8136,

71.7509.

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
71.8024, 88.8136, 71.7509

Protanopia
83.1206, 88.3407, 67.3141

Deuteranopia
86.2383, 88.1786, 88.0762

Tritanopia
82.3956, 88.4153, 107.3309

Trichromacy

Original Color
71.8024, 88.8136, 71.7509

Protanomaly
78.2085, 88.0087, 68.7425

Deuteranomaly
80.1276, 87.8082, 81.8327

Tritanomaly
78.0669, 88.3093, 93.0516

Monochromacy

Original Color
71.8024, 88.8136, 71.7509

Achromatopsia
78.2058, 82.2786, 89.6014

Achromatomaly
75.6381, 84.5741, 82.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8024, 88.8136, 71.7509 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, 206) looks like.

```
.text, #text, p{
    color:rgb(204, 255, 206)
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 71.8024, 88.8136, 71.7509 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, 206) }
```

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

```
.border{ border-color:rgb(204, 255, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 255, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 255, 206); box-shadow:4px 4px 4px 4px rgb(204, 255, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8024, 88.8136, 71.7509 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, 206) }
```

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

```
.background{ background-color:rgb(204,
255, 206) }
```

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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