Converting Colors

XYZ(77.3659, 100.0000, 71.4796)

Have a look what the booklet for XYZ(77.3659, 100.0000, 71.4796) contains.

Color

XYZ(71.7163, 88.8109, 69.8623)

Conversions

Conversions Part 1

Format	Color
Hex	CDFFCB
RGB	205, 255, 203
RGB Percent	80%, 100%, 80%
CMY	0.1961, 0.0000, 0.2039
CMYK	0.20, 0.00, 0.20, 0.00
HSL	118°, 100%, 90%
HSV	118°, 20%, 100%
XYZ	71.7163, 88.8109, 69.8623
YIQ	234.1220, -13.1080, -26.7720

Conversions

Conversions Part 2

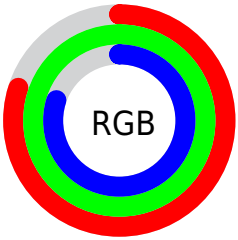
Format	Color
RYB	203, 255, 253
Decimal	13500363
CIELab	95.50, -25.42, 19.74
CIELCh	96, 32.183, 142.159
Yxy	88.8109, 0.3113, 0.3855
Android (android.graphics.Color)	4291690443 (0xFFCDFFCB)
YUV	234.1220, -15.3431, -25.5400
Hunter-Lab	94.2395, -29.0807, 22.0144

Details

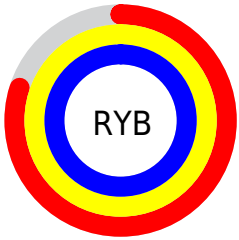
The XYZ color 71.7163, 88.8109, 69.8623 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 79.9148, 70.8157, 104.0646, and the grayscale version is 78.4183, 82.5022, 89.8449.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 38.1966, 49.0421, 35.8867 is the 20% darker color. If you saturate the color by 10%, you get 62.6807, 84.4756, 54.8597, and if you desaturate by 10%, it is 82.3130, 93.8932, 87.5497.

Distribution

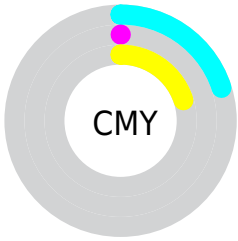


- Red (80%)
- Green (100%)
- Blue (80%)



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

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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7163, 88.8109, 69.8623 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 71.7163, 88.8109, 69.8623 by changing the saturation by 10% instead.

71.7163, 88.8109, 69.8623

71.7163, 88.8109, 69.8623

455.7265, 524.1551, 478.8424

53.2116, 66.9948, 50.9382

120.6661, 145.6856, 120.6916

38.1999, 49.0804, 35.7830

151.8419, 181.5130, 153.4339

26.3158, 34.6833, 23.9783

187.9721, 222.7796, 191.6194

17.1939, 23.4190, 15.1055

229.4220, 269.8699, 235.6665

10.4690, 14.9032, 8.7460

276.5571, 323.1682, 285.9938

5.7757, 8.7515, 4.4813

329.7426,

2.7485, 4.5794,

383.0589, 343.0198

389.3440, 449.9264, 407.1632

1.8929

1.0222, 2.0027, 0.4882

0.0000, 0.6090, 0.0000

71.7163, 88.8109, 69.8623

71.7163, 88.8109, 69.8623

62.6807, 84.4756, 54.8597

82.3130, 93.8932, 87.5497

55.1306, 80.8512, 42.4069

94.5376, 99.7544, 108.0396

48.9871, 77.9000, 32.3633

95.0500, 100.0000, 108.9000

44.1632, 75.5806, 24.5734

40.5621, 73.8469, 18.8631

38.0739, 72.6464, 15.0333

36.5690, 71.9174, 12.8459

35.8827, 71.5833, 11.9257

Harmonies

Analogous

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

78.1763, 88.8109, 58.3357

71.7163, 88.8109, 69.8623

68.7031, 88.8109, 90.2251

Triad

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

71.7163, 88.8109, 69.8623

82.1199, 88.8109, 153.2299

101.1109, 88.8109, 79.5146

Complementary

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

71.7163, 88.8109, 69.8623

79.9148, 70.8157, 104.0646

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.

102.3498, 88.8109, 103.4774

71.7163, 88.8109, 69.8623

90.9710, 88.8109, 149.0108

Square

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

71.7163, 88.8109, 69.8623

74.4309, 88.8109, 140.3459

98.5242, 88.8109, 129.6569

95.2480, 88.8109, 63.1946

Rectangle

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

71.7163, 88.8109, 69.8623

68.8967, 88.8109, 107.2941

98.5242, 88.8109, 129.6569

102.0977, 88.8109, 86.8272

Sweetspot

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

71.7169, 88.8112, 69.8637

87.4767, 96.3692, 96.1952

86.9559, 95.4443, 70.3408

18.5549, 20.5461, 20.3071

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.

71.7169, 88.8112, 69.8637

68.2799, 87.1623, 64.1465

74.1718, 89.7299, 85.6508

17.8361, 20.2014, 19.1035

18.7774, 37.4182, 6.2328

1.8500, 3.6545, 0.6079

Inverse Universe

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

79.9148, 70.8157, 104.0646

77.6770, 66.5311, 103.3555

77.1053, 69.7764, 85.4514

18.7196, 18.2627, 22.7884

29.1741, 13.9503, 50.5896

2.8612, 1.3689, 4.9267

Previews

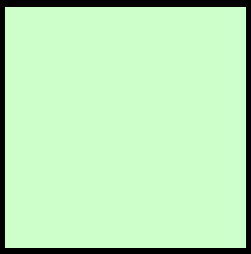
White Background

This preview shows how the XYZ color 71.7163, 88.8109, 69.8623 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



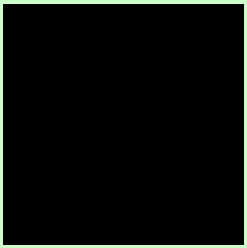
This preview shows how the XYZ color 71.7163, 88.8109, 69.8623 looks on a black background.

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 71.7163, 88.8109, 69.8623 Background



This preview shows how black text looks on a background with the XYZ color 71.7163, 88.8109, 69.8623.

This preview shows how white text looks on a background with the XYZ color 71.7163, 88.8109,

69.8623.

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
71.7163, 88.8109, 69.8623

Protanopia
83.0041, 88.2941, 66.7005

Deuteranopia
86.0975, 88.1222, 87.3344

Tritanopia
82.3956, 88.4153, 107.3309

Trichromacy

Original Color
71.7163, 88.8109, 69.8623

Protanomaly
78.3061, 88.0862, 67.5187

Deuteranomaly
80.1940, 87.8732, 80.4447

Tritanomaly
78.2229, 88.4066, 92.2983

Monochromacy

Original Color
71.7163, 88.8109, 69.8623

Achromatopsia
78.2058, 82.2786, 89.6014

Achromatomaly
75.5028, 84.5199, 82.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7163, 88.8109, 69.8623 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(205, 255, 203) looks like.

```
.text, #text, p{
    color:rgb(205, 255, 203)
}
```

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(205, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 71.7163, 88.8109, 69.8623 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(205, 255, 203) }
```

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

```
.border{ border-color:rgb(205, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(205, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 255, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 255, 203); box-shadow:4px 4px 4px 4px rgb(205, 255, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7163, 88.8109, 69.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(205, 255, 203) }
```

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

```
.background{ background-color:rgb(205,
255, 203) }
```

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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