Converting Colors

XYZ(70.6086, 88.6803, 49.9111)

Have a look what the booklet for XYZ(70.6086, 88.6803, 49.9111) contains.

Color

XYZ(70.7594, 88.7571, 49.9616)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFA7
RGB	215, 255, 167
RGB Percent	84%, 100%, 65%
CMY	0.1569, 0.0000, 0.3451
CMYK	0.16, 0.00, 0.35, 0.00
HSL	87°, 100%, 83%
HSV	87°, 35%, 100%
XYZ	70.7594, 88.7571, 49.9616
YIQ	233.0080, 4.4080, -35.8480

Conversions

Conversions Part 2

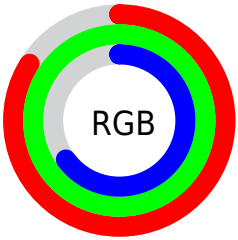
Format	Color
RYB	167, 255, 207
Decimal	14155687
CIELab	95.48, -27.35, 37.94
CIELCh	95, 46.775, 125.786
Yxy	88.7571, 0.3378, 0.4237
Android (android.graphics.Color)	4292345767 (0xFFD7FFA7)
YUV	233.0080, -32.5419, -15.7930
Hunter-Lab	94.2110, -30.8026, 34.5053

Details

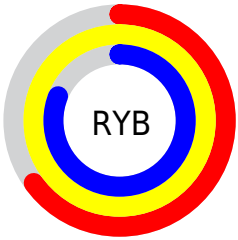
The XYZ color 70.7594, 88.7571, 49.9616 is a light color, and the websafe version is hex CCFF99. A complement of this color would be 57.6019, 48.1241, 100.8607, and the grayscale version is 77.6925, 81.7386, 89.0133.

A 20% lighter version of the original color is 90.3193, 98.1077, 83.9884, and 37.5294, 48.9740, 23.3945 is the 20% darker color. If you saturate the color by 10%, you get 65.3455, 86.2122, 38.5924, and if you desaturate by 10%, it is 76.8801, 91.6127, 63.7926.

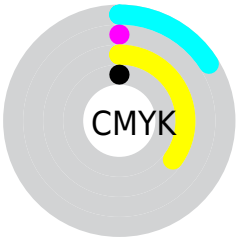
Distribution



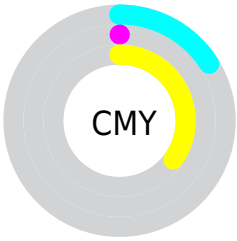
- Red (84%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (81%)



- Cyan (16%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7594, 88.7571, 49.9616 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 70.7594, 88.7571, 49.9616 by changing the saturation by 10% instead.

70.7594, 88.7571, 49.9616

70.7594, 88.7571, 49.9616

452.4369, 523.9794, 403.2465

52.4277, 66.9503, 35.0119

119.3115, 145.6107, 91.5137

37.5717, 49.0442, 23.3884

150.2625, 181.4263, 118.9532

25.8262, 34.6545, 14.6726

186.1508, 222.6803, 151.3930

16.8256, 23.3969, 8.4459

227.3415, 269.7570, 189.2518

10.2048, 14.8868, 4.2897

274.2001, 323.0409, 232.9480

5.5983, 8.7400, 1.7856

327.0920,

2.6407, 4.5720,

382.9163, 282.9001

386.3825, 449.7677, 339.5268

0.4184

0.9667, 1.9984, 0.0000

0.0000, 0.6065, 0.0000

70.7594, 88.7571, 49.9616

70.7594, 88.7571, 49.9616

65.3455, 86.2122, 38.5924

76.8801, 91.6127, 63.7926

60.6048, 83.9638, 29.5362

83.7365, 94.7909, 80.2145

56.5023, 81.9974, 22.6345

91.3570, 98.3037, 99.3520

52.9985, 80.2965, 17.7069

95.0500, 100.0000, 108.9000

50.0480, 78.8425, 14.5437

47.5965, 77.6128, 12.8877

46.4224, 77.0166, 12.4190

Harmonies

Analogous

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

81.9017, 88.7571, 42.0694

70.7594, 88.7571, 49.9616

63.8282, 88.7571, 70.4953

Triad

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

70.7594, 88.7571, 49.9616

74.6546, 88.7571, 176.3278

111.3219, 88.7571, 89.7019

Complementary

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

70.7594, 88.7571, 49.9616

57.6019, 48.1241, 100.8607

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.

108.8832, 88.7571, 128.5643

70.7594, 88.7571, 49.9616

86.8689, 88.7571, 185.2051

Square

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

70.7594, 88.7571, 49.9616

65.9126, 88.7571, 144.0489

99.6026, 88.7571, 165.9194

105.9656, 88.7571, 60.9763

Rectangle

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

70.7594, 88.7571, 49.9616

62.0996, 88.7571, 91.5487

99.6026, 88.7571, 165.9194

111.3927, 88.7571, 101.9196

Sweetspot

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

70.7598, 88.7573, 49.9629

87.0762, 96.3326, 88.5000

70.4317, 68.4829, 46.0668

18.4115, 20.5147, 18.3770

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.

70.7598, 88.7573, 49.9629

67.1668, 87.0707, 42.3108

59.6177, 83.0133, 49.4415

18.7185, 20.6563, 19.1448

24.4311, 40.3328, 6.4974

2.5048, 3.9920, 0.6385

Inverse Universe

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

57.6019, 48.1241, 100.8607

52.3100, 41.1788, 99.7990

71.5089, 55.2934, 101.5115

17.7873, 17.7821, 22.7447

13.3558, 5.7956, 49.8493

1.4244, 0.6282, 4.8595

Previews

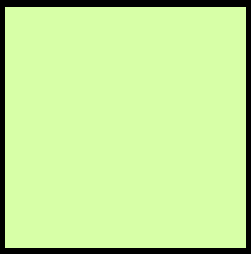
White Background

This preview shows how the XYZ color 70.7594, 88.7571, 49.9616 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



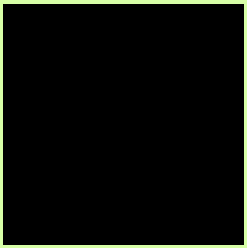
This preview shows how the XYZ color 70.7594, 88.7571, 49.9616 looks on a black background.

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 70.7594, 88.7571, 49.9616 Background



This preview shows how black text looks on a background with the XYZ color 70.7594, 88.7571, 49.9616.

This preview shows how white text looks on a background with the XYZ color 70.7594, 88.7571,

49.9616.

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
70.7594, 88.7571, 49.9616

Protanopia
82.4329, 88.0656, 63.6926

Deuteranopia
85.6971, 88.4292, 83.7860

Tritanopia
84.0323, 88.8136, 107.3215

Trichromacy

Original Color
70.7594, 88.7571, 49.9616

Protanomaly
77.5427, 87.8975, 58.2264

Deuteranomaly
79.4867, 88.1897, 69.9597

Tritanomaly
78.2586, 88.1801, 82.7078

Monochromacy

Original Color
70.7594, 88.7571, 49.9616

Achromatopsia
77.4512, 81.4847, 88.7368

Achromatomaly
74.3280, 83.6828, 72.5565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7594, 88.7571, 49.9616 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(215, 255, 167) looks like.

```
.text, #text, p{
    color:rgb(215, 255, 167)
}
```

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(215, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 70.7594, 88.7571, 49.9616 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(215, 255, 167) }
```

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

```
.border{ border-color:rgb(215, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(215, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 255, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 255, 167); box-shadow:4px 4px 4px 4px rgb(215, 255, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7594, 88.7571, 49.9616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(215, 255, 167) }
```

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

```
.background{ background-color:rgb(215,
255, 167) }
```

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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