

Converting Colors

XYZ(78.6221, 104.9362,
63.7552)

Have a look what the booklet for
XYZ(78.6221, 104.9362, 63.7552)
contains.

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Color

**XYZ(70.2907, 88.2727,
60.9106)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFBC
RGB	206, 255, 188
RGB Percent	81%, 100%, 74%
CMY	0.1922, 0.0000, 0.2627
CMYK	0.19, 0.00, 0.26, 0.00
HSL	104°, 100%, 87%
HSV	104°, 26%, 100%
XYZ	70.2907, 88.2727, 60.9106
YIQ	232.7110, -7.6970, -31.2250

Conversions

Conversions Part 2

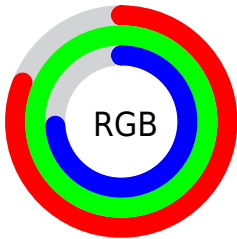
Format	Color
RYB	188, 255, 237
Decimal	13565884
CIELab	95.28, -27.48, 27.06
CIELCh	95, 38.566, 135.439
Yxy	88.2727, 0.3203, 0.4022
Android (android.graphics.Color)	4291755964 (0xFFCEFFBC)
YUV	232.7110, -22.0425, -23.4255
Hunter-Lab	93.9536, -30.8752, 27.3295

Details

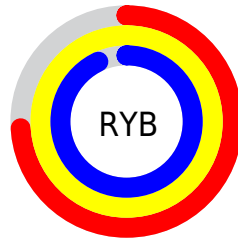
The XYZ color **70.2907, 88.2727, 60.9106** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9593, 61.1922, 102.6791**, and the grayscale version is **77.3989, 81.4297, 88.6769**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **37.2597, 48.6887, 29.9883** is the 20% darker color. If you saturate the color by 10%, you get **62.9059, 84.7557, 47.4610**, and if you desaturate by 10%, it is **78.7766, 92.3011, 76.9496**.

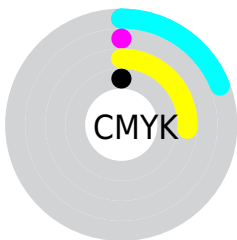
Distribution



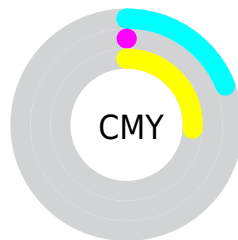
- Red (81%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (93%)



- Cyan (19%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2907, 88.2727, 60.9106 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 70.2907, 88.2727, 60.9106 by changing the saturation by 10% instead.

70.2907, 88.2727,
60.9106

70.2907, 88.2727,
60.9106

450.8206,
522.3959, 445.8436

52.0440, 66.5489,
43.7229

118.6472,
144.9368, 107.7057

37.2646, 48.7181,
30.1172

149.4878,
180.6458, 138.1503

25.5870, 34.3960,
19.6747

185.2570,
221.7855, 173.8509

16.6460, 23.1979,
11.9771

226.3202,
268.7401, 215.2261

10.0762, 14.7397,
6.6057

273.0429,
321.8940, 262.6945

5.5121, 8.6369,
3.1421

325.7902,

2.5886, 4.5051,

381.6317, 316.6745

1.1676

384.9277,
448.3375, 377.5847

■ 0.9401, 1.9599,
0.0000

■ 0.0000, 0.5840,
0.0000

■ 70.2907, 88.2727,
60.9106

■ 70.2907, 88.2727,
60.9106

■ 62.9059, 84.7557,
47.4610

■ 78.7766, 92.3011,
76.9496

■ 56.5738, 81.7283,
36.4612

■ 88.4061, 96.8602,
95.6996

■ 51.2443, 79.1678,
27.7644

95.0500, 100.0000,
108.9000

■ 46.8623, 77.0494,
21.2067

■ 43.3673, 75.3459,
16.6025

■ 40.6901, 74.0265,
13.7343

■ 38.7493, 73.0550,
12.3316

■ 38.1792, 72.7671,
12.0332

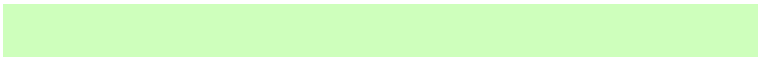
Harmonies

Analogous

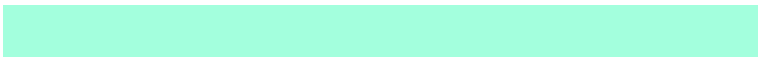
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6272, 88.2727, 50.3699



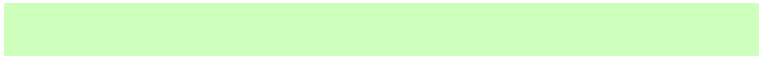
70.2907, 88.2727, 60.9106



65.7968, 88.2727, 82.2659

Triad

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



70.2907, 88.2727, 60.9106



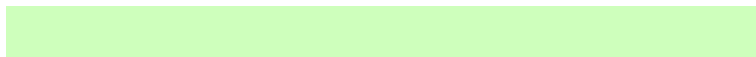
78.9146, 88.2727, 163.8375



104.9600, 88.2727, 81.4945

Complementary

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



70.2907, 88.2727, 60.9106



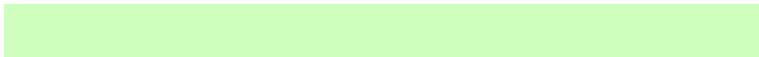
70.9593, 61.1922, 102.6791

Split Complementary

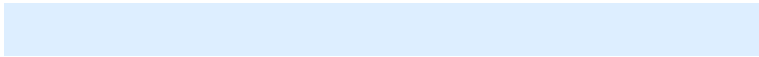
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0533, 88.2727, 111.4349



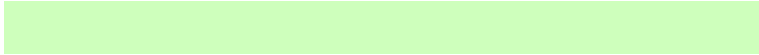
70.2907, 88.2727, 60.9106



89.4046, 88.2727, 163.5095

Square

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



70.2907, 88.2727, 60.9106



70.4859, 88.2727, 143.6099



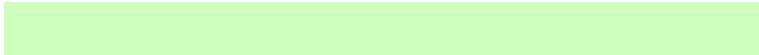
99.1627, 88.2727, 142.7902



98.9176, 88.2727, 60.4482

Rectangle

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



70.2907, 88.2727, 60.9106



65.3226, 88.2727, 101.7135



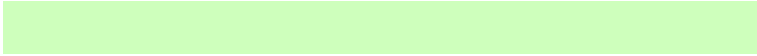
99.1627, 88.2727, 142.7902



105.7039, 88.2727, 90.7238

Sweetspot

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



70.2912, 88.2729, 60.9119



86.6601, 96.0344, 92.2636



80.3178, 84.8918, 59.7309



18.2293, 20.4041, 19.1219



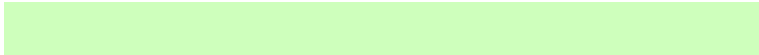
0.0000, 0.0000, 0.0000



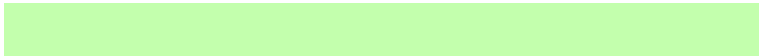
20.3446, 21.4041, 23.3091

Same Dimension

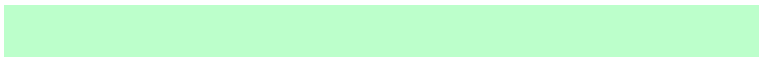
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2912, 88.2729, 60.9119



65.9304, 86.1976, 52.9013



67.2218, 86.5005, 69.3529



18.2293, 20.4041, 19.1219



20.0697, 38.0844, 6.2932



2.0528, 3.7590, 0.6174

Inverse Universe

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



70.9593, 61.1922, 102.6791



66.7004, 54.5977, 101.6307



75.0239, 63.5475, 91.1271



18.2887, 18.0406, 22.7682



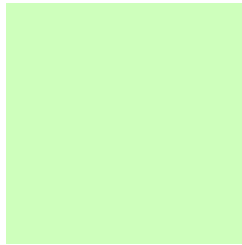
20.2252, 9.3369, 50.1708



2.0733, 0.9628, 4.8898

Previews

White Background



This preview shows how the XYZ color 70.2907, 88.2727, 60.9106 looks on a white background.

Color Contrast Check

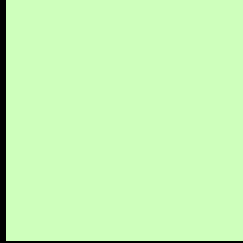
Large Text (above 18pt) WCAG AA × Fail

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 70.2907, 88.2727, 60.9106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

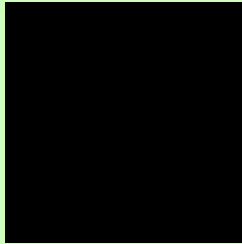
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

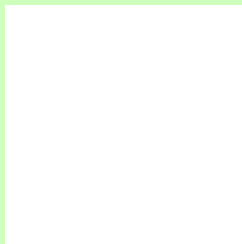
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2907, 88.2727, 60.9106

Background



This preview shows how black text looks on a background with the XYZ color 70.2907, 88.2727, 60.9106.



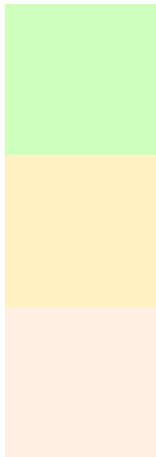
This preview shows how white text looks on a background with the XYZ color 70.2907, 88.2727,

60.9106.

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

70.2907, 88.2727, 60.9106

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

85.5420, 87.9001, 84.4094



Tritanopia

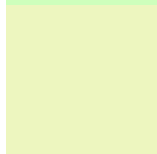
82.0955, 87.8152, 107.2309

Trichromacy



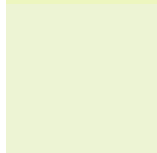
Original Color

70.2907, 88.2727, 60.9106



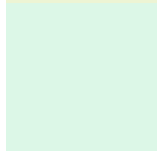
Protanomaly

77.2848, 87.6776, 62.1404



Deuteranomaly

79.1594, 87.4594, 74.9966



Tritanomaly

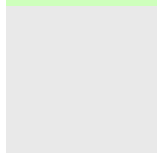
77.1998, 87.5067, 88.4229

Monochromacy



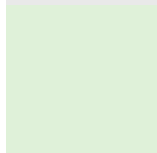
Original Color

70.2907, 88.2727, 60.9106



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.4111, 83.6083, 77.8618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2907, 88.2727, 60.9106 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(206, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 188)  
}
```

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(206, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 70.2907, 88.2727, 60.9106 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(206, 255, 188) }
```


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

```
.border{ border-color:rgb(206, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2907, 88.2727, 60.9106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 188) }
```

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

```
.background{ background-color: rgb(206,  
255, 188) }
```

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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