

Converting Colors

XYZ(70.2200, 87.2791, 57.2655)

Have a look what the booklet for
XYZ(70.2200, 87.2791, 57.2655)
contains.

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Color

**XYZ(70.4327, 87.4768,
57.4285)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FDB6
RGB	211, 253, 182
RGB Percent	83%, 99%, 71%
CMY	0.1725, 0.0078, 0.2863
CMYK	0.17, 0.00, 0.28, 0.01
HSL	95°, 95%, 85%
HSV	95°, 28%, 99%
XYZ	70.4327, 87.4768, 57.4285
YIQ	232.3480, -2.2410, -30.9850

Conversions

Conversions Part 2

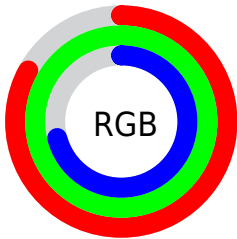
Format	Color
R _{YB}	182, 253, 224
Decimal	13893046
CIE Lab	94.94, -25.73, 29.68
CIE LCh	95, 39.283, 130.917
Yxy	87.4768, 0.3271, 0.4062
Android (android.graphics.Color)	4292083126 (0xFFD3FDB6)
YUV	232.3480, -24.8216, -18.7222
Hunter-Lab	93.5290, -29.2551, 29.0652

Details

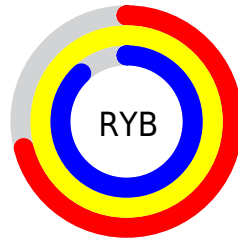
The XYZ color **70.4327, 87.4768, 57.4285** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.2017, 56.3976, 100.3825**, and the grayscale version is **77.1458, 81.1634, 88.3870**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **37.4127, 48.1328, 28.0876** is the 20% darker color. If you saturate the color by 10%, you get **63.9610, 84.4185, 44.6883**, and if you desaturate by 10%, it is **77.7807, 90.9376, 72.6791**.

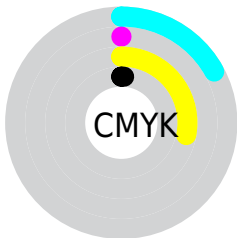
Distribution



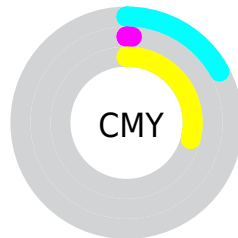
- Red (83%)
- Green (99%)
- Blue (71%)



- Red (71%)
- Yellow (99%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (28%)
- Black (1%)





- Cyan (17%)
- Magenta (1%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4327, 87.4768, 57.4285 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 70.4327, 87.4768, 57.4285 by changing the saturation by 10% instead.


 70.4327, 87.4768,
57.4285

 70.4327, 87.4768,
57.4285


451.3106,
519.7883, 432.5917

 52.1602, 65.8899,
40.9377


 118.8485,
143.8285, 102.5967

 37.3576, 48.1830,
27.9511


149.7226,
179.3621, 132.1112

 25.6594, 33.9718,
18.0501


185.5279,
220.3133, 166.8040

 16.7004, 22.8720,
10.8161

226.6298,
267.0666, 207.0936

 10.1151, 14.4990,
5.8307

273.3937,
320.0064, 253.3987

 5.5382, 8.4685,
2.6753

326.1849,

 2.6043, 4.3962,

379.5170, 306.1377

0.9310

385.3687,
445.9829, 365.7292

■ 0.9482, 1.8976,
0.0000

■ 0.0000, 0.5469,
0.0000

■ 70.4327, 87.4768,
57.4285

■ 70.4327, 87.4768,
57.4285

■ 63.9610, 84.4185,
44.6883

■ 77.7807, 90.9376,
72.6791

■ 58.3224, 81.7354,
34.3182

■ 86.0322, 94.8042,
90.5588

■ 53.4802, 79.4144,
26.1730

■ 94.4171, 98.7341,
108.6890

■ 49.3914, 77.4370,
20.0890

■ 46.0084, 75.7826,
15.8801

■ 43.2765, 74.4279,
13.3268

■ 41.1248, 73.3430,
12.1298

■ 40.7584, 73.1572,
11.9726

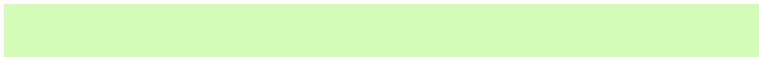
Harmonies

Analogous

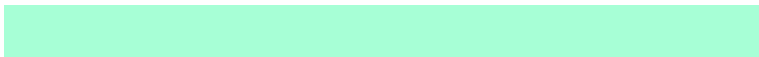
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3236, 87.4768, 48.4646



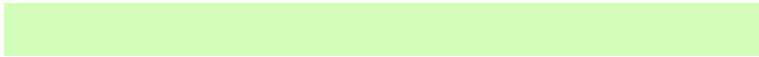
70.4327, 87.4768, 57.4285



65.2441, 87.4768, 77.3207

Triad

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



70.4327, 87.4768, 57.4285



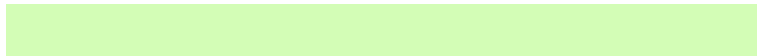
76.6232, 87.4768, 162.1657



104.9303, 87.4768, 84.5604

Complementary

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



70.4327, 87.4768, 57.4285



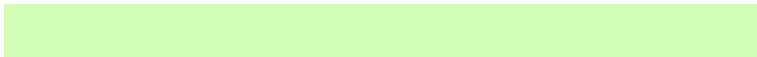
65.2017, 56.3976, 100.3825

Split Complementary

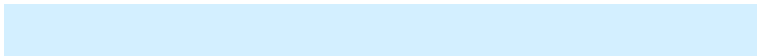
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.0508, 87.4768, 115.7505



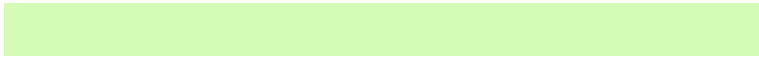
70.4327, 87.4768, 57.4285



87.0853, 87.4768, 165.2695

Square

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



70.4327, 87.4768, 57.4285



68.6015, 87.4768, 139.0844



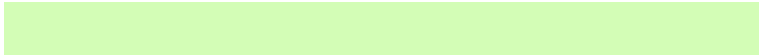
97.2996, 87.4768, 146.8301



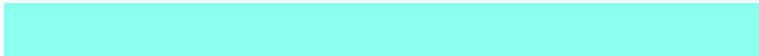
99.6091, 87.4768, 61.7502

Rectangle

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



70.4327, 87.4768, 57.4285



64.2929, 87.4768, 96.1893



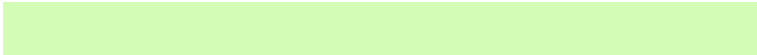
97.2996, 87.4768, 146.8301



105.3609, 87.4768, 94.3116

Sweetspot

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



70.4350, 87.4806, 57.4304



87.6362, 96.5376, 92.3093



75.4541, 77.2618, 55.1934



18.4740, 20.5303, 19.1334



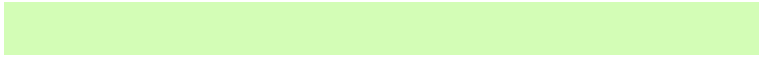
0.0000, 0.0000, 0.0000



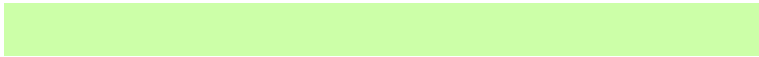
20.3446, 21.4041, 23.3091

Same Dimension

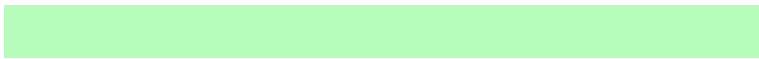
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4350, 87.4806, 57.4304



67.6780, 87.1546, 50.4480



63.4874, 83.8269, 60.3654



18.4740, 20.5303, 19.1334



21.8361, 38.9950, 6.3759



2.2463, 3.8587, 0.6264

Inverse Universe

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



65.2017, 56.3976, 100.3825



61.4997, 50.4881, 101.1115



74.0407, 61.0615, 95.9511



18.0333, 17.9089, 22.7563



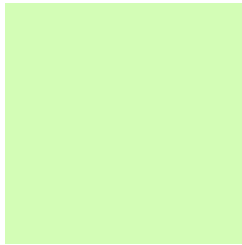
16.2599, 7.2927, 49.9852



1.7071, 0.7740, 4.8727

Previews

White Background



This preview shows how the XYZ color 70.4327, 87.4768, 57.4285 looks on a white background.

Color Contrast Check

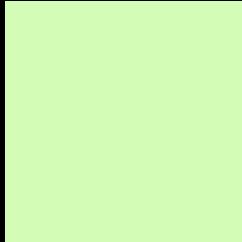
Large Text (above 18pt) WCAG AA × Fail

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 70.4327, 87.4768, 57.4285 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

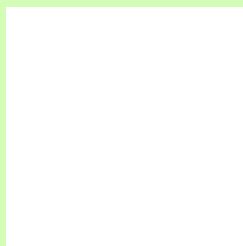
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4327, 87.4768, 57.4285

Background



This preview shows how black text looks on a background with the XYZ color 70.4327, 87.4768, 57.4285.

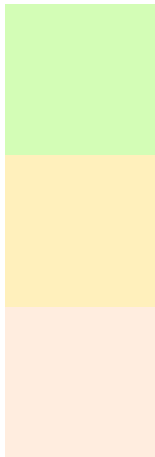


This preview shows how white text looks on a background with the XYZ color 70.4327, 87.4768,

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

70.4327, 87.4768, 57.4285

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

84.8435, 87.1561, 82.1631



Tritanopia

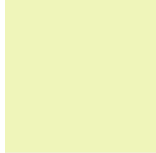
82.1152, 87.3823, 107.1463

Trichromacy



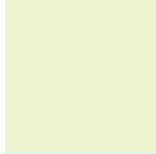
Original Color

70.4327, 87.4768, 57.4285



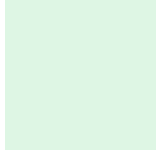
Protanomaly

77.1119, 87.2007, 59.2216



Deuteranomaly

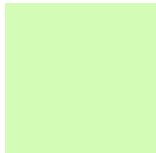
79.0324, 87.0060, 72.3029



Tritanomaly

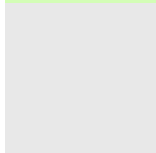
77.0836, 87.0426, 86.1369

Monochromacy



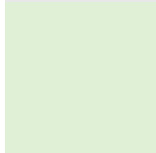
Original Color

70.4327, 87.4768, 57.4285



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.0382, 83.0225, 75.7410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4327, 87.4768, 57.4285 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(211, 253, 182)` looks like.

```
.text, #text, p{  
    color:rgb(211, 253, 182)  
}
```

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(211, 253, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 253, 182) }
```

Border

The CSS property to change the border of an element to XYZ 70.4327, 87.4768, 57.4285 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(211, 253, 182) }
```


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

```
.border{ border-color:rgb(211, 253, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 253, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 253, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 253, 182);  
box-shadow:4px 4px 4px 4px rgb(211, 253,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4327, 87.4768, 57.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 253, 182) }
```

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

```
.background{ background-color: rgb(211,  
253, 182) }
```

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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