

Converting Colors

XYZ(85.1170, 95.5115, 79.8742)

Have a look what the booklet for XYZ(85.1170, 95.5115, 79.8742) contains.

- XYZ(84.9023, 95.4070, 79.5862) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(84.9023, 95.4070,
79.5862)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFD9
RGB	242, 255, 217
RGB Percent	95%, 100%, 85%
CMY	0.0510, 0.0000, 0.1490
CMYK	0.05, 0.00, 0.15, 0.00
HSL	81°, 100%, 93%
HSV	81°, 15%, 100%
XYZ	84.9023, 95.4070, 79.5862
YIQ	246.7810, 4.4500, -14.5740

Conversions

Conversions Part 2

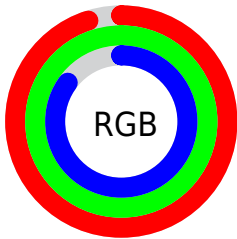
Format	Color
R _Y B	217, 255, 230
Decimal	15925209
CIE Lab	98.20, -10.69, 16.73
CIE LCh	98, 19.853, 122.569
Yxy	95.4070, 0.3267, 0.3671
Android (android.graphics.Color)	4294115289 (0xFFFF2FFD9)
YUV	246.7810, -14.6820, -4.1929
Hunter-Lab	97.6765, -15.7783, 20.0644

Details

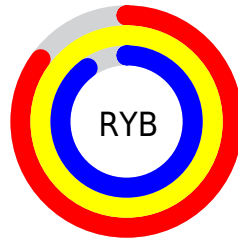
The XYZ color **84.9023, 95.4070, 79.5862** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.4969, 73.6699, 104.8483**, and the grayscale version is **88.3424, 92.9431, 101.2150**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9654, 53.4359, 42.0212** is the 20% darker color. If you saturate the color by 10%, you get **78.9142, 92.6741, 63.3090**, and if you desaturate by 10%, it is **91.5470, 98.4191, 98.5720**.

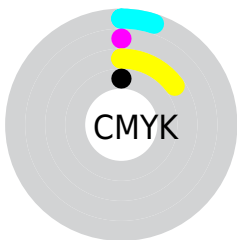
Distribution



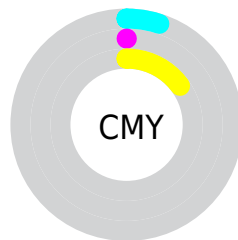
- Red (95%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.9023, 95.4070, 79.5862 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 84.9023, 95.4070, 79.5862 by changing the saturation by 10% instead.


 84.9023, 95.4070,
79.5862

 84.9023, 95.4070,
79.5862


499.7933,
545.4671, 513.2072

 64.0829, 72.4738,
58.8537


139.1514,
154.8268, 134.5899

 46.9797, 53.5458,
42.0762

173.3118,
192.0821, 169.6983

 33.2275, 38.2386,
28.8349


212.6499,
234.8802, 210.4357

 22.4609, 26.1680,
18.7115

257.5310,
283.6056, 257.2206

 14.3144, 16.9493,
11.2873

308.3206,
338.6426, 310.4717

 8.4228, 10.1984,
6.1438

365.3839,

 4.4208, 5.5307,

400.3756, 370.6075

2.8625

429.0863,
469.1889, 438.0464

■ 1.9428, 2.5619,
1.0249

■ 0.6015, 0.9075,
0.0000

■ 84.9023, 95.4070,
79.5862

■ 84.9023, 95.4070,
79.5862

■ 78.9142, 92.6741,
63.3090

■ 91.5470, 98.4191,
98.5720

■ 73.5555, 90.2092,
49.6127

95.0500, 100.0000,
108.9000

■ 68.7995, 88.0014,
38.3653

■ 64.6166, 86.0386,
29.4217

■ 60.9742, 84.3076,
22.6214

■ 57.8358, 82.7936,
17.7833

■ 55.1591, 81.4792,
14.6964

■ 52.8926, 80.3438,
13.1010

■ 51.8584, 79.8190,
12.6734

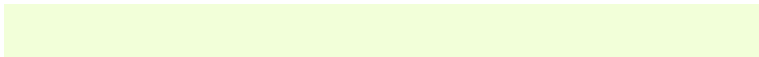
Harmonies

Analogous

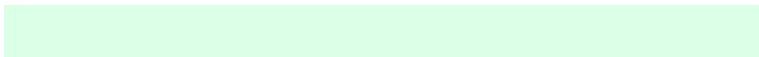
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1906, 95.4070, 75.5457



84.9023, 95.4070, 79.5862



81.2873, 95.4070, 90.0675

Triad

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



84.9023, 95.4070, 79.5862



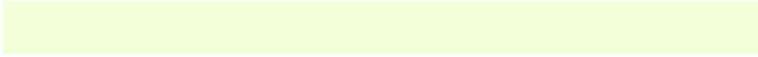
85.7200, 95.4070, 134.3433



102.0904, 95.4070, 102.4801

Complementary

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



84.9023, 95.4070, 79.5862



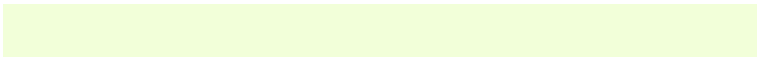
75.4969, 73.6699, 104.8483

Split Complementary

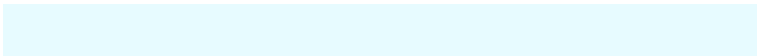
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7729, 95.4070, 119.0415



84.9023, 95.4070, 79.5862



91.1741, 95.4070, 138.5427

Square

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



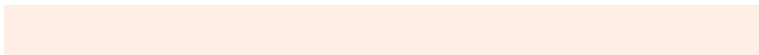
84.9023, 95.4070, 79.5862



81.7453, 95.4070, 121.7326



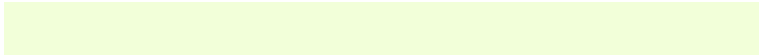
96.7172, 95.4070, 132.6786



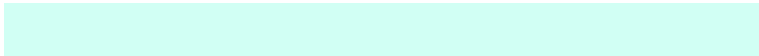
100.2463, 95.4070, 87.8678

Rectangle

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



84.9023, 95.4070, 79.5862



80.2307, 95.4070, 99.8704



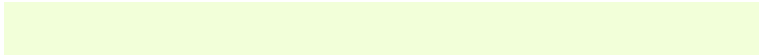
96.7172, 95.4070, 132.6786



102.0026, 95.4070, 107.9996

Sweetspot

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



84.9029, 95.4073, 79.5876



92.1788, 98.7045, 100.4197



81.9692, 82.6789, 77.2854



19.6171, 21.0758, 21.1635



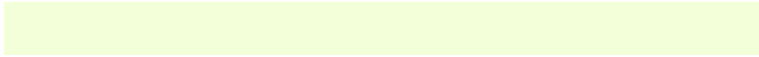
0.0000, 0.0000, 0.0000



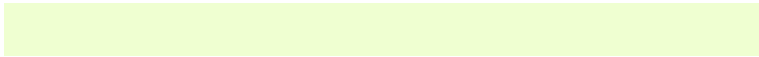
20.3446, 21.4041, 23.3091

Same Dimension

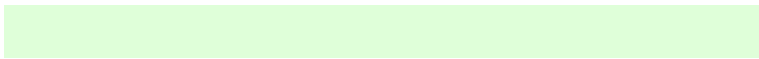
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9029, 95.4073, 79.5876



82.9782, 94.5310, 74.2594



78.8194, 92.2711, 79.3029



18.9224, 20.7614, 19.1544



27.2635, 41.7930, 6.6299



2.7718, 4.1297, 0.6510

Inverse Universe

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



75.4969, 73.6699, 104.8483



71.8648, 68.8458, 104.1086



81.8117, 76.9254, 105.1439



17.5888, 17.6798, 22.7355



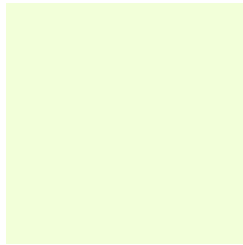
11.6398, 4.9110, 49.7690



1.2450, 0.5357, 4.8511

Previews

White Background



This preview shows how the XYZ color 84.9023, 95.4070, 79.5862 looks on a white background.

Color Contrast Check

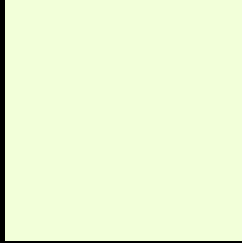
Large Text (above 18pt) WCAG AA × Fail

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 84.9023, 95.4070, 79.5862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

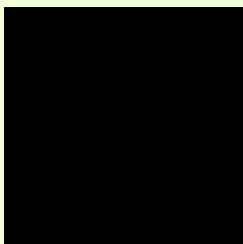
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

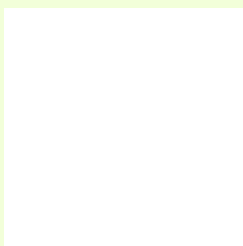
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9023, 95.4070, 79.5862

Background



This preview shows how black text looks on a background with the XYZ color 84.9023, 95.4070, 79.5862.



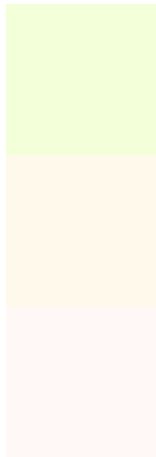
This preview shows how white text looks on a background with the XYZ color 84.9023, 95.4070,

79.5862.

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

84.9023, 95.4070, 79.5862

Protanopia

90.1111, 95.0095, 92.1866

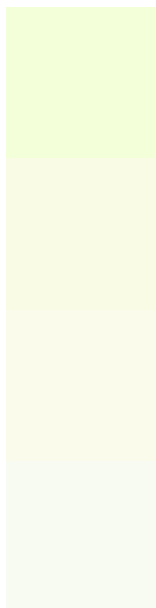
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

91.3500, 95.2954, 108.1869

Trichromacy



Original Color

84.9023, 95.4070, 79.5862

Protanomaly

87.9251, 94.9198, 87.0860

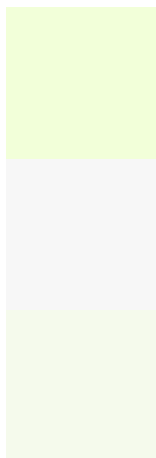
Deuteranomaly

88.9169, 95.3165, 92.3088

Tritanomaly

88.7321, 95.1194, 96.9023

Monochromacy



Original Color

84.9023, 95.4070, 79.5862

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

86.9821, 93.8398, 92.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9023, 95.4070, 79.5862 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(242, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 217)  
}
```

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(242, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 84.9023, 95.4070, 79.5862 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(242, 255, 217) }
```


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

```
.border{ border-color:rgb(242, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9023, 95.4070, 79.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 217) }
```

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

```
.background{ background-color: rgb(242,  
255, 217) }
```

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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