

Converting Colors

XYZ(85.7084, 95.1626, 87.5809)

Have a look what the booklet for
XYZ(85.7084, 95.1626, 87.5809)
contains.

XYZ(85.7210, 95.1858, 87.2535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.7210, 95.1858,
87.2535)**

Conversions

Conversions Part 1

Format	Color
Hex	F1FEE4
RGB	241, 254, 228
RGB Percent	95%, 100%, 89%
CMY	0.0549, 0.0039, 0.1059
CMYK	0.05, 0.00, 0.10, 0.00
HSL	90°, 93%, 95%
HSV	90°, 10%, 100%
XYZ	85.7210, 95.1858, 87.2535
YIQ	247.1490, 0.5980, -10.8420

Conversions

Conversions Part 2

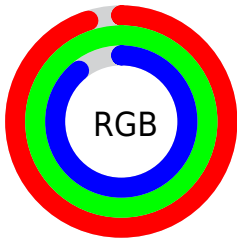
Format	Color
R_{YB}	228, 254, 241
Decimal	15859428
CIE _{Lab}	98.11, -8.76, 10.97
CIE _{LCh}	98, 14.040, 128.621
Yxy	95.1858, 0.3197, 0.3550
Android (android.graphics.Color)	4294049508 (0xFFFF1FEE4)
YUV	247.1490, -9.4405, -5.3927
Hunter-Lab	97.5632, -13.9019, 15.2695

Details

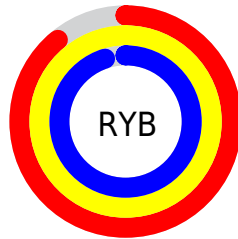
The XYZ color **85.7210, 95.1858, 87.2535** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.9122, 81.3459, 105.1550**, and the grayscale version is **88.6056, 93.2200, 101.5165**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5167, 53.2639, 47.3117** is the 20% darker color. If you saturate the color by 10%, you get **78.2654, 91.7230, 69.8304**, and if you desaturate by 10%, it is **94.0024, 99.0200, 107.4234**.

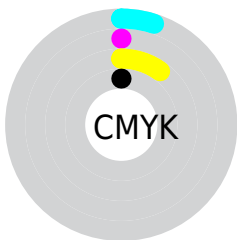
Distribution



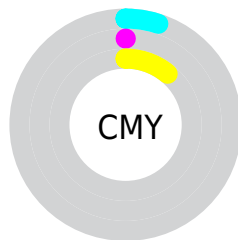
- Red (95%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7210, 95.1858, 87.2535 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 85.7210, 95.1858, 87.2535 by changing the saturation by 10% instead.

85.7210, 95.1858,
87.2535

85.7210, 95.1858,
87.2535

502.4586,
544.7596, 539.3933

64.7618, 72.2896,
65.1442

140.2889,
154.5213, 145.4194

47.5319, 53.3953,
47.1259

174.6283,
191.7294, 182.3131

33.6661, 38.1184,
32.7802

214.1585,
234.4769, 224.9720

22.7989, 26.0746,
21.6883

259.2449,
283.1482, 273.8146

14.5649, 16.8795,
13.4320

310.2527,
338.1277, 329.2595

8.5989, 10.1486,
7.5924

367.5473,

4.5355, 5.4976,

399.7999, 391.7252

3.7513

431.4942,
468.5491, 461.6303

■ 2.0093, 2.5421,
1.4899

■ 0.6392, 0.8976,
0.2104

■ 85.7210, 95.1858,
87.2535

■ 85.7210, 95.1858,
87.2535

■ 78.2654, 91.7230,
69.8304

■ 94.0024, 99.0200,
107.4234

■ 71.5990, 88.6071,
55.0292

■ 94.7337, 99.3674,
108.7946

■ 65.6942, 85.8293,
42.7243

■ 60.5180, 83.3757,
32.7776

■ 56.0351, 81.2313,
25.0375

■ 52.2064, 79.3798,
19.3348

■ 48.9877, 77.8026,
15.4755

■ 46.3276, 76.4783,
13.2283

■ 44.1926, 75.3976,
12.2240

Harmonies

Analogous

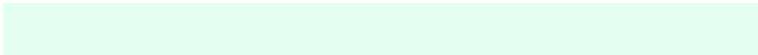
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3149, 95.1858, 83.2142



85.7210, 95.1858, 87.2535



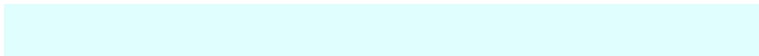
83.4466, 95.1858, 95.7609

Triad

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



85.7210, 95.1858, 87.2535



87.6761, 95.1858, 125.7070



98.3498, 95.1858, 100.3506

Complementary

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



85.7210, 95.1858, 87.2535



81.9122, 81.3459, 105.1550

Split Complementary

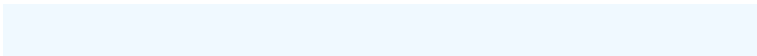
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8794, 95.1858, 111.9423



85.7210, 95.1858, 87.2535



91.6376, 95.1858, 127.1640

Square

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



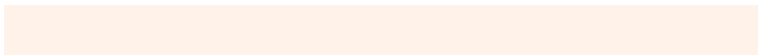
85.7210, 95.1858, 87.2535



84.5519, 95.1858, 118.1169



95.3938, 95.1858, 121.9621



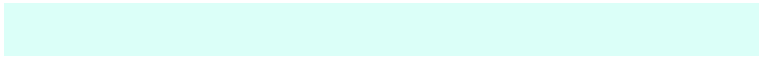
96.6606, 95.1858, 90.3993

Rectangle

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



85.7210, 95.1858, 87.2535



82.9446, 95.1858, 103.1080



95.3938, 95.1858, 121.9621



98.4400, 95.1858, 104.1762

Sweetspot

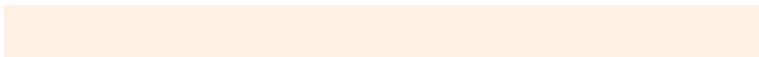
The Sweet Spot groups the original color and five complimentary colors.



85.7236, 95.1899, 87.2556



92.4490, 98.7986, 102.4766



86.3355, 89.5864, 86.1417



19.6419, 21.0795, 21.5761



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

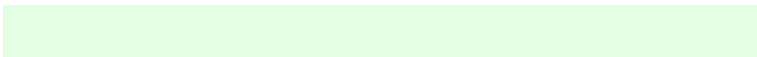
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7236, 95.1899, 87.2556



85.1012, 95.3958, 84.7337



81.4431, 92.9832, 87.0552



18.6368, 20.6142, 19.1410



23.4678, 39.8362, 6.4523



2.4109, 3.9436, 0.6341

Inverse Universe

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



81.9122, 81.3459, 105.1550



80.6478, 79.2199, 105.6481



86.5095, 83.7160, 105.3702



17.8686, 17.8240, 22.7485



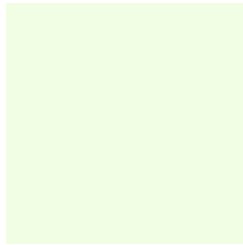
14.2181, 6.2402, 49.8897



1.5103, 0.6725, 4.8635

Previews

White Background



This preview shows how the XYZ color 85.7210, 95.1858, 87.2535 looks on a white background.

Color Contrast Check

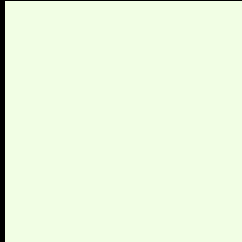
Large Text (above 18pt) WCAG AA × Fail

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 85.7210, 95.1858, 87.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

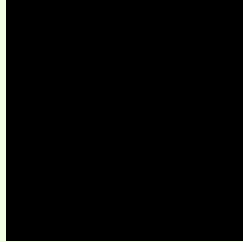
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

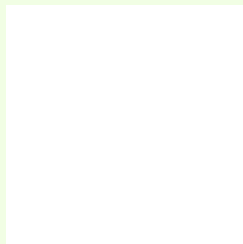
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.7210, 95.1858, 87.2535

Background



This preview shows how black text looks on a background with the XYZ color 85.7210, 95.1858, 87.2535.



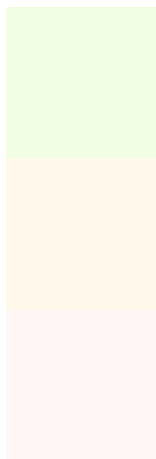
This preview shows how white text looks on a background with the XYZ color 85.7210, 95.1858,

87.2535.

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

85.7210, 95.1858, 87.2535

Protanopia

90.2560, 95.0675, 92.9497

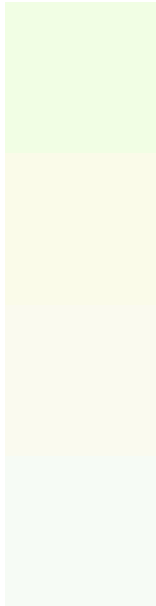
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

90.9926, 95.1111, 108.1702

Trichromacy



Original Color

85.7210, 95.1858, 87.2535

Protanomaly

88.6295, 95.2015, 90.7953

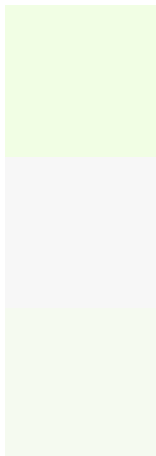
Deuteranomaly

89.1899, 94.9272, 95.2833

Tritanomaly

88.9846, 95.1798, 100.0677

Monochromacy



Original Color

85.7210, 95.1858, 87.2535

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.5700, 94.0750, 95.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7210, 95.1858, 87.2535 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(241, 254, 228)` looks like.

```
.text, #text, p{  
    color:rgb(241, 254, 228)  
}
```

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(241, 254, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 254, 228) }
```

Border

The CSS property to change the border of an element to XYZ 85.7210, 95.1858, 87.2535 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(241, 254, 228) }
```


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

```
.border{ border-color:rgb(241, 254, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 254, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 254, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 254, 228);  
box-shadow:4px 4px 4px 4px rgb(241, 254,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7210, 95.1858, 87.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 254, 228) }
```

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

```
.background{ background-color: rgb(241,  
254, 228) }
```

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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