

Converting Colors

XYZ(87.6661, 100.0000,
98.4487)

Have a look what the booklet for
XYZ(87.6661, 100.0000, 98.4487)
contains.

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Color

**XYZ(85.3913, 95.2544,
97.8897)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFF2
RGB	233, 255, 242
RGB Percent	91%, 100%, 95%
CMY	0.0863, 0.0000, 0.0510
CMYK	0.09, 0.00, 0.05, 0.00
HSL	145°, 100%, 96%
HSV	145°, 9%, 100%
XYZ	85.3913, 95.2544, 97.8897
YIQ	246.9400, -8.9390, -8.7070

Conversions

Conversions Part 2

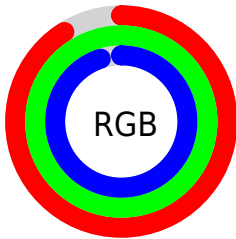
Format	Color
R _{YB}	233, 249, 255
Decimal	15335410
CIE _{Lab}	98.14, -9.50, 3.76
CIE _{LCh}	98, 10.217, 158.431
Y _{xy}	95.2544, 0.3066, 0.3420
Android (android.graphics.Color)	4293525490 (0xFFE9FFF2)
YUV	246.9400, -2.4354, -12.2254
Hunter-Lab	97.5984, -14.6229, 8.8519

Details

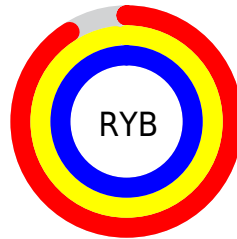
The XYZ color **85.3913, 95.2544, 97.8897** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0140, 86.1927, 99.2396**, and the grayscale version is **88.3833, 92.9861, 101.2619**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1885, 53.2804, 54.2514** is the 20% darker color. If you saturate the color by 10%, you get **75.4887, 90.4002, 86.0959**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

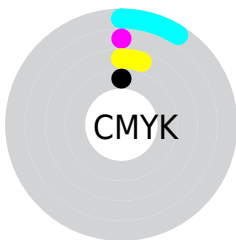
Distribution



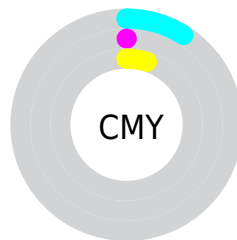
- Red (91%)
- Green (100%)
- Blue (95%)



- Red (91%)
- Yellow (98%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3913, 95.2544, 97.8897 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 85.3913, 95.2544, 97.8897 by changing the saturation by 10% instead.

85.3913, 95.2544,
97.8897

85.3913, 95.2544,
97.8897

501.3862,
544.9791, 574.5942

64.4883, 72.3467,
73.9323

139.8310,
154.6160, 160.2806

47.3095, 53.4420,
54.2422

174.0984,
191.8388, 199.5512

33.4893, 38.1557,
38.4008

213.5513,
234.6020, 244.7632

22.6626, 26.1036,
25.9897

258.5551,
283.2901, 296.3352

14.4639, 16.9011,
16.5902

309.4751,
338.2874, 354.6858

8.5279, 10.1640,
9.7839

366.6767,

4.4892, 5.5078,

399.9785, 420.2335

5.1522

430.5253,
468.7476, 493.3968

■ 1.9824, 2.5482,
2.2765

■ 0.6241, 0.9007,
0.7180

■ 85.3913, 95.2544,
97.8897

■ 85.3913, 95.2544,
97.8897

■ 75.4887, 90.4002,
86.0959

95.0500, 100.0000,
108.9000

■ 66.9187, 86.2121,
75.3130

■ 59.6227, 82.6601,
65.5155

■ 53.5362, 79.7118,
56.6752

■ 48.5889, 77.3314,
48.7625

■ 44.7030, 75.4794,
41.7460

■ 41.7901, 74.1109,
35.5928

■ 39.7464, 73.1731,
30.2672

■ 38.4260, 72.5914,
25.7299

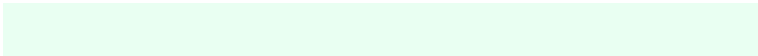
Harmonies

Analogous

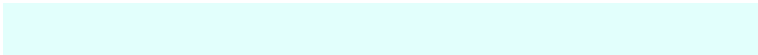
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0753, 95.2544, 91.5686



85.3913, 95.2544, 97.8897



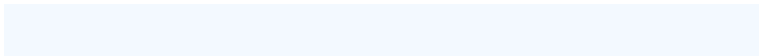
85.0705, 95.2544, 106.1026

Triad

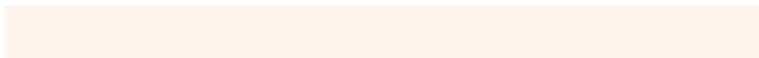
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3913, 95.2544, 97.8897



91.3660, 95.2544, 120.5309



95.0275, 95.2544, 93.9950

Complementary

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



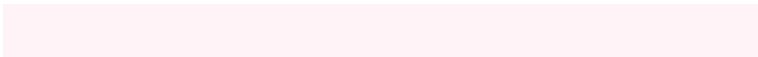
85.3913, 95.2544, 97.8897



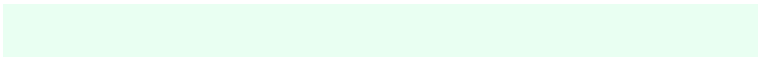
87.0140, 86.1927, 99.2396

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.



96.2317, 95.2544, 101.3652



85.3913, 95.2544, 97.8897



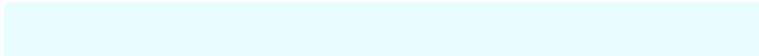
94.0881, 95.2544, 116.8925

Square

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



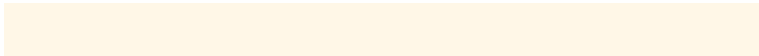
85.3913, 95.2544, 97.8897



88.4786, 95.2544, 119.4766



95.8842, 95.2544, 109.7687



92.6260, 95.2544, 89.4060

Rectangle

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



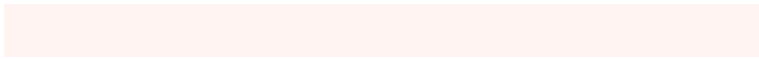
85.3913, 95.2544, 97.8897



85.6660, 95.2544, 111.5989



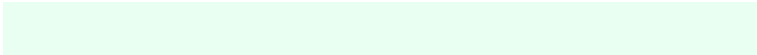
95.8842, 95.2544, 109.7687



95.5880, 95.2544, 96.2130

Sweetspot

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



85.3922, 95.2549, 97.8912



91.5720, 98.2901, 104.9829



88.5448, 97.0325, 91.1546



19.4059, 20.9426, 22.2500



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.



85.3922, 95.2549, 97.8912



83.9510, 94.5476, 96.2104



87.0627, 95.9231, 106.6880



18.0796, 20.2914, 20.7223



20.0693, 37.9243, 13.5161



2.0067, 3.7136, 1.5931

Inverse Universe

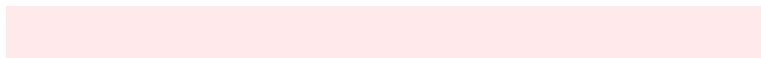
The Inverse Universe completely reimagines the original color for something new.



87.0140, 86.1927, 99.2396



85.8133, 84.1419, 97.7585



85.4040, 85.5487, 90.7614



18.4598, 18.1672, 21.0383



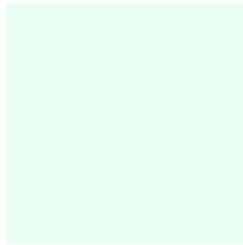
24.5297, 12.3012, 16.7059



2.4427, 1.2194, 1.9124

Previews

White Background



This preview shows how the XYZ color 85.3913, 95.2544, 97.8897 looks on a white background.

Color Contrast Check

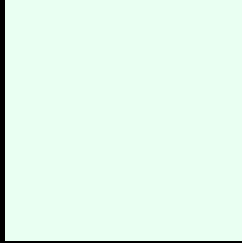
Large Text (above 18pt) WCAG AA × Fail

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 85.3913, 95.2544, 97.8897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

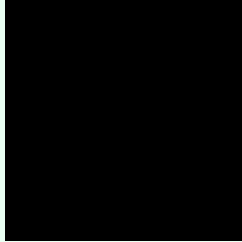
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

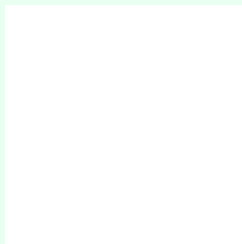
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.3913, 95.2544, 97.8897

Background



This preview shows how black text looks on a background with the XYZ color 85.3913, 95.2544, 97.8897.



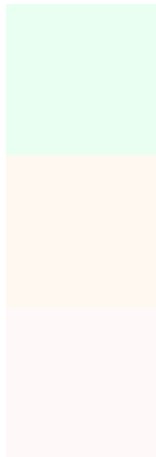
This preview shows how white text looks on a background with the XYZ color 85.3913, 95.2544,

97.8897.

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

85.3913, 95.2544, 97.8897

Protanopia

90.5356, 94.6861, 95.9426

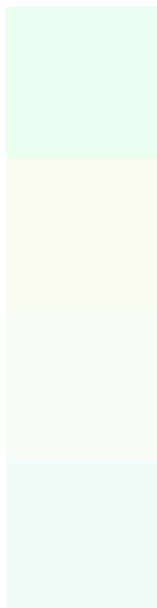
Deuteranopia

91.7507, 95.1721, 102.3412

Tritanopia

90.2416, 95.1840, 108.2239

Trichromacy



Original Color

85.3913, 95.2544, 97.8897

Protanomaly

88.7321, 95.1194, 96.9023

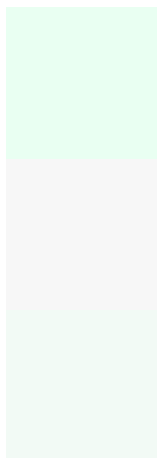
Deuteranomaly

89.4895, 95.4223, 100.8905

Tritanomaly

88.3414, 95.2237, 104.1664

Monochromacy



Original Color

85.3913, 95.2544, 97.8897

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.2850, 93.8410, 99.8989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3913, 95.2544, 97.8897 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(233, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 242)  
}
```

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(233, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 85.3913, 95.2544, 97.8897 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(233, 255, 242) }
```


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

```
.border{ border-color:rgb(233, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3913, 95.2544, 97.8897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 242) }
```

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

```
.background{ background-color: rgb(233,  
255, 242) }
```

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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