

Converting Colors

XYZ(85.9437, 95.5995, 98.3053)

Have a look what the booklet for
XYZ(85.9437, 95.5995, 98.3053)
contains.

XYZ(85.7187, 95.4232, 97.9051)	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(85.7187, 95.4232,
97.9051)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFF2
RGB	234, 255, 242
RGB Percent	92%, 100%, 95%
CMY	0.0823, 0.0000, 0.0510
CMYK	0.08, 0.00, 0.05, 0.00
HSL	143°, 100%, 96%
HSV	143°, 8%, 100%
XYZ	85.7187, 95.4232, 97.9051
YIQ	247.2390, -8.3430, -8.4950

Conversions

Conversions Part 2

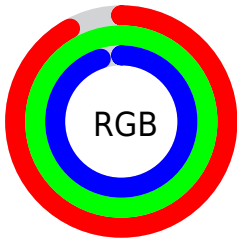
Format	Color
R_{YB}	234, 249, 255
Decimal	15400946
CIE _{Lab}	98.20, -9.18, 3.86
CIE _{LCh}	98, 9.956, 157.175
Yxy	95.4232, 0.3072, 0.3420
Android (android.graphics.Color)	4293591026 (0xFFEAF2)
YUV	247.2390, -2.5828, -11.6106
Hunter-Lab	97.6848, -14.3141, 8.9556

Details

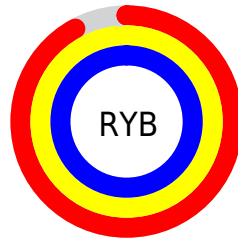
The XYZ color **85.7187, 95.4232, 97.9051** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.4518, 86.8220, 100.1447**, and the grayscale version is **88.6273, 93.2428, 101.5414**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4171, 53.3983, 54.2621** is the 20% darker color. If you saturate the color by 10%, you get **75.6710, 90.5057, 85.5889**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

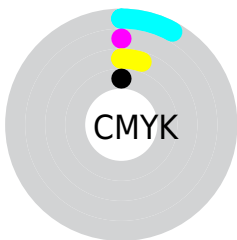
Distribution



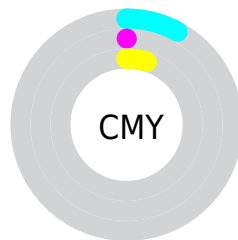
- Red (92%)
- Green (100%)
- Blue (95%)



- Red (92%)
- Yellow (98%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.7187, 95.4232, 97.9051 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 85.7187, 95.4232, 97.9051 by changing the saturation by 10% instead.


 85.7187, 95.4232,
97.9051

 85.7187, 95.4232,
97.9051


502.4511,
545.5189, 574.6443

 64.7599, 72.4873,
73.9451


140.2857,
154.8491, 160.3020

 47.5304, 53.5568,
54.2526


174.6246,
192.1079, 199.5759

 33.6648, 38.2475,
38.4091


214.1543,
234.9098, 244.7916

 22.7979, 26.1748,
25.9960

259.2400,
283.6391, 296.3675

 14.5642, 16.9545,
16.5949

310.2472,
338.6803, 354.7221

 8.5984, 10.2020,
9.7872

367.5413,

 4.5352, 5.5331,

400.4177, 420.2742

5.1544

431.4874,
469.2358, 493.4420

■ 2.0091, 2.5633,
2.2778

■ 0.6391, 0.9083,
0.7187

■ 85.7187, 95.4232,
97.9051

■ 85.7187, 95.4232,
97.9051

■ 75.6710, 90.5057,
85.5889

95.0500, 100.0000,
108.9000

■ 66.9757, 86.2622,
74.3759

■ 59.5733, 82.6629,
64.2368

■ 53.3988, 79.6748,
55.1395

■ 48.3815, 77.2622,
47.0502

■ 44.4430, 75.3852,
39.9330

■ 41.4945, 73.9990,
33.7502

■ 39.4318, 73.0506,
28.4608

■ 38.1137, 72.4680,
24.0201

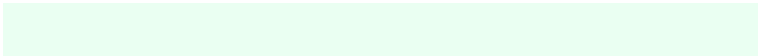
Harmonies

Analogous

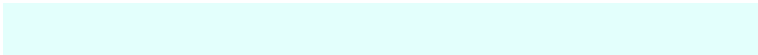
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4121, 95.4232, 91.8410



85.7187, 95.4232, 97.9051



85.3457, 95.4232, 105.8806

Triad

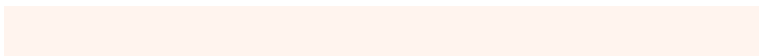
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7187, 95.4232, 97.9051



91.3860, 95.4232, 120.3342



95.1527, 95.4232, 94.6644

Complementary

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



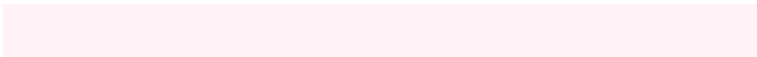
85.7187, 95.4232, 97.9051



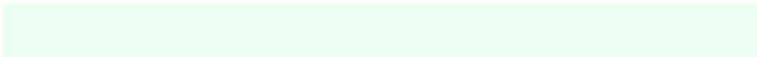
87.4518, 86.8220, 100.1447

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.



96.2672, 95.4232, 101.9435



85.7187, 95.4232, 97.9051



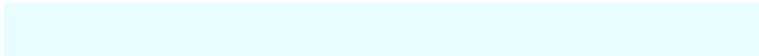
94.0629, 95.4232, 116.9701

Square

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



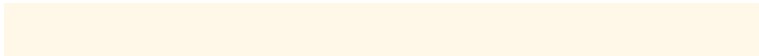
85.7187, 95.4232, 97.9051



88.5789, 95.4232, 119.1134



95.8642, 95.4232, 110.1340



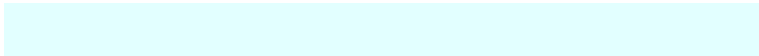
92.8484, 95.4232, 90.0398

Rectangle

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



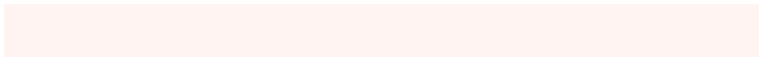
85.7187, 95.4232, 97.9051



85.8888, 95.4232, 111.2651



95.8642, 95.4232, 110.1340



95.6811, 95.4232, 96.8666

Sweetspot

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



85.7196, 95.4236, 97.9066



92.6943, 98.8439, 106.1584



89.0754, 97.2895, 91.9272



19.8651, 21.1688, 22.7511



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.



85.7196, 95.4236, 97.9066



83.8447, 94.5051, 95.6504



87.2947, 96.0537, 106.2012



18.0579, 20.2827, 20.6079



19.8835, 37.8500, 12.5376



1.9872, 3.7058, 1.4905

Inverse Universe

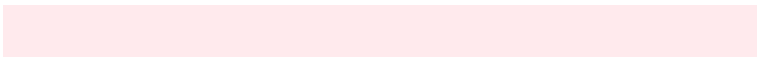
The Inverse Universe completely reimagines the original color for something new.



87.4518, 86.8220, 100.1447



85.9228, 84.1857, 98.3351



85.9204, 86.2095, 92.0804



18.4821, 18.1762, 21.1560



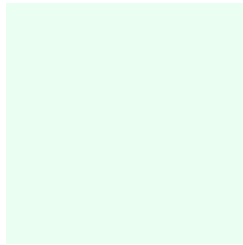
24.8418, 12.4260, 18.3491



2.4720, 1.2312, 2.0672

Previews

White Background



This preview shows how the XYZ color 85.7187, 95.4232, 97.9051 looks on a white background.

Color Contrast Check

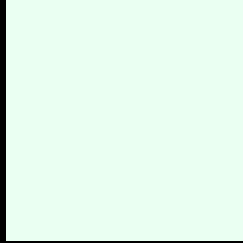
Large Text (above 18pt) WCAG AA × Fail

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 85.7187, 95.4232, 97.9051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

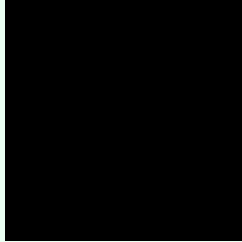
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

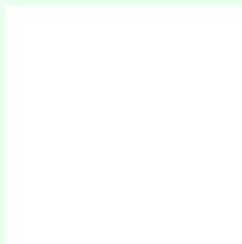
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.7187, 95.4232, 97.9051

Background



This preview shows how black text looks on a background with the XYZ color 85.7187, 95.4232, 97.9051.

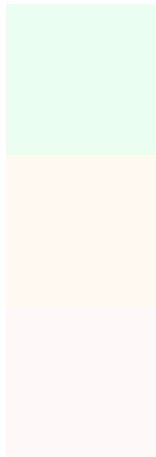


This preview shows how white text looks on a background with the XYZ color 85.7187, 95.4232,

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

85.7187, 95.4232, 97.9051

Protanopia

90.9929, 95.3622, 96.8300

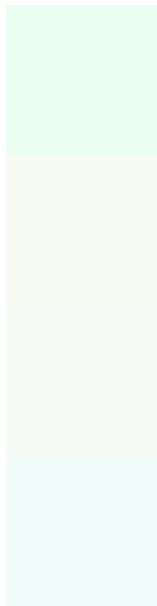
Deuteranopia

91.9063, 95.2344, 103.1606

Tritanopia

90.5934, 95.3654, 108.2403

Trichromacy



Original Color

85.7187, 95.4232, 97.9051

Protanomaly

88.7321, 95.1194, 96.9023

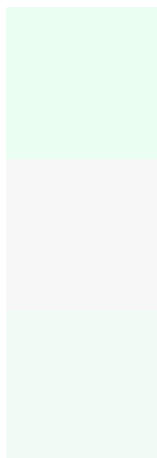
Deuteranomaly

89.4895, 95.4223, 100.8905

Tritanomaly

88.6837, 95.4002, 104.1824

Monochromacy



Original Color

85.7187, 95.4232, 97.9051

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 85.7187, 95.4232, 97.9051 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(234, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 85.7187, 95.4232, 97.9051 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(234, 255, 242) }
```


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

```
.border{ border-color:rgb(234, 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(234, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7187, 95.4232, 97.9051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 242) }
```

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

```
.background{ background-color: rgb(234,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor