

Converting Colors

XYZ(84.7375, 93.9628,
102.3595)

Have a look what the booklet for
XYZ(84.7375, 93.9628, 102.3595)
contains.

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Color

**XYZ(84.7017, 93.8509,
102.4577)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FDF8
RGB	230, 253, 248
RGB Percent	90%, 99%, 97%
CMY	0.0980, 0.0078, 0.0274
CMYK	0.09, 0.00, 0.02, 0.01
HSL	167°, 85%, 95%
HSV	167°, 9%, 99%
XYZ	84.7017, 93.8509, 102.4577
YIQ	245.5530, -12.1030, -6.4310

Conversions

Conversions Part 2

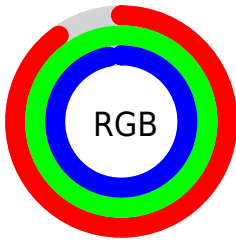
Format	Color
R _Y B	230, 243, 253
Decimal	15138296
CIE Lab	97.57, -8.38, -0.17
CIE LCh	98, 8.378, 181.179
Yxy	93.8509, 0.3014, 0.3340
Android (android.graphics.Color)	4293328376 (0xFFE6FDF8)
YUV	245.5530, 1.2064, -13.6400
Hunter-Lab	96.8767, -13.4672, 5.1080

Details

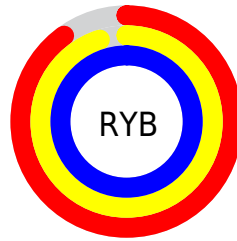
The XYZ color **84.7017, 93.8509, 102.4577** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8037, 83.4769, 90.2974**, and the grayscale version is **87.2363, 91.7794, 99.9477**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7099, 52.2843, 57.4992** is the 20% darker color. If you saturate the color by 10%, you get **76.3236, 89.6316, 97.6752**, and if you desaturate by 10%, it is **94.1773, 98.6382, 107.4265**.

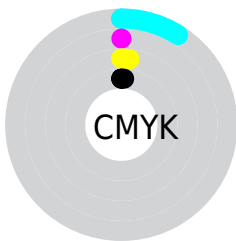
Distribution



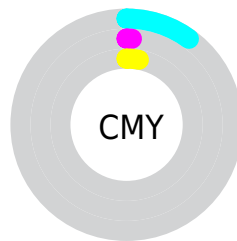
- Red (90%)
- Green (99%)
- Blue (97%)



- Red (90%)
- Yellow (95%)
- Blue (99%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (10%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7017, 93.8509, 102.4577 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 84.7017, 93.8509, 102.4577 by changing the saturation by 10% instead.

84.7017, 93.8509,
102.4577

84.7017, 93.8509,
102.4577

499.1390,
540.4797, 589.3577

63.9166, 71.1789,
77.7264

138.8725,
152.6761, 166.6118

46.8446, 52.4882,
57.3341

172.9889,
189.5982, 206.8716

33.1202, 37.3944,
40.8624

212.2798,
232.0391, 253.1447

22.3782, 25.5130,
27.8927

257.1106,
280.3832, 305.8496

14.2532, 16.4597,
18.0064

307.8465,
335.0149, 365.4048

8.3799, 9.8500,
10.7851

364.8530,

4.3928, 5.2996,

396.3186, 432.2288

5.8102

428.4954,
464.6788, 506.7403

■ 1.9267, 2.4241,
2.6631

■ 0.5923, 0.8383,
0.9248

■ 84.7017, 93.8509,
102.4577

■ 84.7017, 93.8509,
102.4577

■ 76.3236, 89.6316,
97.6752

94.1773, 98.6382,
107.4265

■ 69.0955, 85.9998,
93.0746

94.4171, 98.7341,
108.6890

■ 62.9659, 82.9313,
88.6543

■ 57.8757, 80.3959,
84.4103

■ 53.7605, 78.3603,
80.3385

■ 50.5485, 76.7875,
76.4343

■ 48.1577, 75.6354,
72.6928

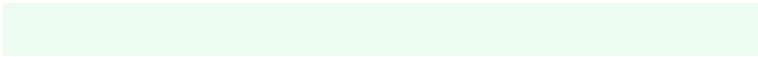
■ 46.4909, 74.8537,
69.1081

■ 45.4032, 74.3679,
65.6723

Harmonies

Analogous

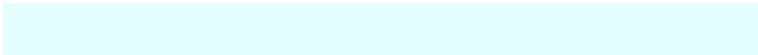
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2500, 93.8509, 95.9944



84.7017, 93.8509, 102.4577



85.3414, 93.8509, 109.1293

Triad

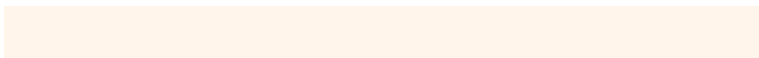
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7017, 93.8509, 102.4577



91.5944, 93.8509, 113.8247



91.4285, 93.8509, 91.1220

Complementary

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



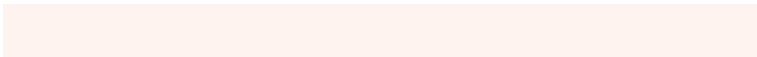
84.7017, 93.8509, 102.4577



83.8037, 83.4769, 90.2974

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.



93.1782, 93.8509, 95.5469



84.7017, 93.8509, 102.4577



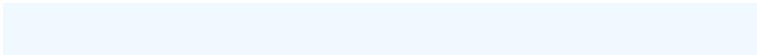
93.2753, 93.8509, 108.6418

Square

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



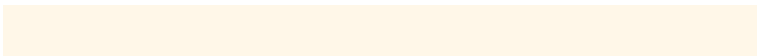
84.7017, 93.8509, 102.4577



89.2967, 93.8509, 115.8695



93.8599, 93.8509, 101.9181



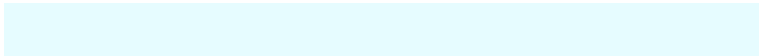
89.1083, 93.8509, 89.6276

Rectangle

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



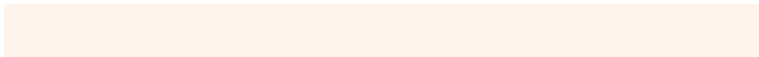
84.7017, 93.8509, 102.4577



86.3622, 93.8509, 112.7506



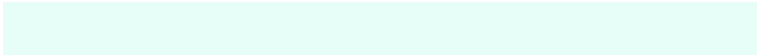
93.8599, 93.8509, 101.9181



92.1043, 93.8509, 92.3060

Sweetspot

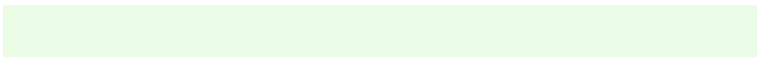
The Sweet Spot groups the original color and five complimentary colors.



84.7044, 93.8549, 102.4598



92.0245, 98.4711, 107.3660



83.7933, 93.6925, 88.5324



19.5281, 20.9915, 22.8936



0.0000, 0.0000, 0.0000



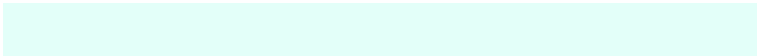
20.3446, 21.4041, 23.3091

Same Dimension

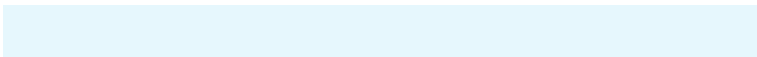
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7044, 93.8549, 102.4598



84.5058, 94.6760, 103.3598



83.5857, 90.3584, 105.9687



18.3757, 20.4098, 22.2816



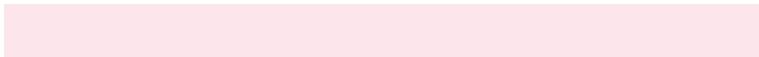
24.1621, 39.5614, 35.0686



2.3925, 3.8679, 3.6249

Inverse Universe

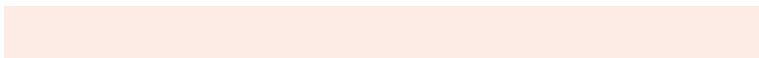
The Inverse Universe completely reimagines the original color for something new.



83.8037, 83.4769, 90.2974



83.4108, 82.0570, 88.5718



84.8280, 86.6664, 87.1217



18.1711, 18.0517, 19.5181



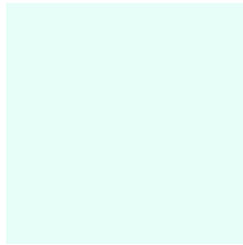
21.9596, 11.2731, 3.1718



2.1765, 1.1130, 0.5109

Previews

White Background



This preview shows how the XYZ color 84.7017, 93.8509, 102.4577 looks on a white background.

Color Contrast Check

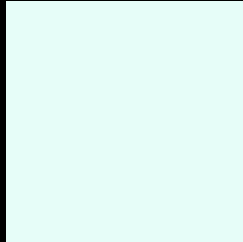
Large Text (above 18pt) WCAG AA × Fail

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 84.7017, 93.8509, 102.4577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

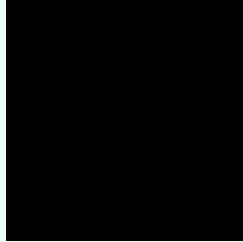
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

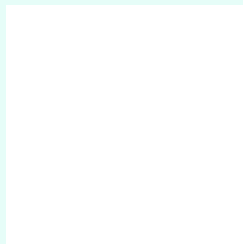
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.7017, 93.8509, 102.4577

Background



This preview shows how black text looks on a background with the XYZ color 84.7017, 93.8509, 102.4577.



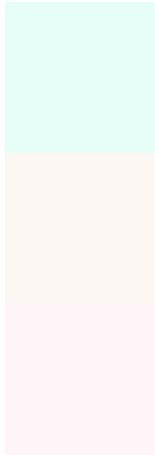
This preview shows how white text looks on a background with the XYZ color 84.7017, 93.8509,

102.4577.

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

84.7017, 93.8509, 102.4577

Protanopia

90.0979, 93.9358, 98.9707

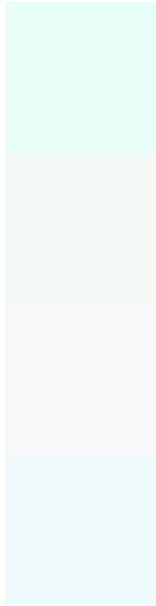
Deuteranopia

90.9913, 93.4044, 102.8556

Tritanopia

88.5795, 93.4095, 107.9689

Trichromacy



Original Color

84.7017, 93.8509, 102.4577

Protanomaly

88.0133, 93.7564, 99.8442

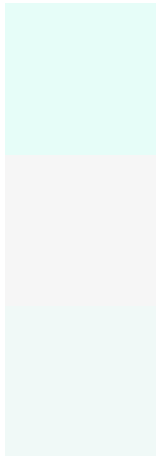
Deuteranomaly

88.6723, 93.5672, 103.0093

Tritanomaly

87.0162, 93.5766, 105.5713

Monochromacy



Original Color

84.7017, 93.8509, 102.4577

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.5994, 92.9920, 101.3807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7017, 93.8509, 102.4577 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(230, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(230, 253, 248)  
}
```

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(230, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 253, 248) }
```

Border

The CSS property to change the border of an element to XYZ 84.7017, 93.8509, 102.4577 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(230, 253, 248) }
```


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

```
.border{ border-color:rgb(230, 253, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 253, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 253, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 253, 248);  
box-shadow:4px 4px 4px 4px rgb(230, 253,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7017, 93.8509, 102.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 253, 248) }
```

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

```
.background{ background-color: rgb(230,  
253, 248) }
```

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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