

# Converting Colors

XYZ(86.8012, 95.8563,  
103.6025)

Have a look what the booklet for  
XYZ(86.8012, 95.8563, 103.6025)  
contains.

<b>XYZ(86.7906, 95.8520, 103.5495)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.7906, 95.8520,  
103.5495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFF9
RGB	234, 255, 249
RGB Percent	92%, 100%, 98%
CMY	0.0823, 0.0000, 0.0235
CMYK	0.08, 0.00, 0.02, 0.00
HSL	163°, 100%, 96%
HSV	163°, 8%, 100%
XYZ	86.7906, 95.8520, 103.5495
YIQ	248.0370, -10.5900, -6.3180

# Conversions

## Conversions Part 2

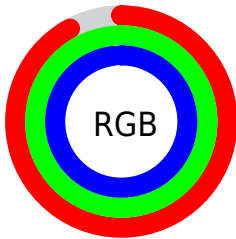
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 246, 255
Decimal	15400953
CIE <sub>Lab</sub>	98.37, -7.91, 0.52
CIE <sub>LCh</sub>	98, 7.924, 176.267
Yxy	95.8520, 0.3033, 0.3349
Android (android.graphics.Color)	4293591033 (0xFFEAF9)
YUV	248.0370, 0.4748, -12.3104
Hunter-Lab	97.9040, -13.0942, 5.8240

# Details

The XYZ color **86.7906, 95.8520, 103.5495** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.3916, 86.3980, 94.5613**, and the grayscale version is **89.2554, 93.9037, 102.2611**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1798, 53.7034, 58.2785** is the 20% darker color. If you saturate the color by 10%, you get **77.8984, 91.3966, 97.3179**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

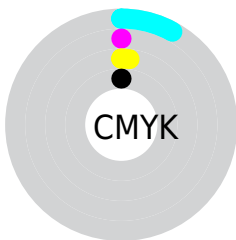
# Distribution



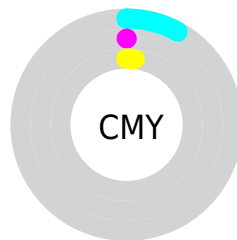
- Red (92%)
- Green (100%)
- Blue (98%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7906, 95.8520, 103.5495 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 86.7906, 95.8520, 103.5495 by changing the saturation by 10% instead.




 86.7906, 95.8520,  
103.5495

 86.7906, 95.8520,  
103.5495


505.9294,  
546.8890, 592.8573

 65.6494, 72.8443,  
78.6348


141.7734,  
155.4411, 168.1208

 48.2545, 53.8487,  
58.0761


176.3457,  
192.7914, 208.6145

 34.2406, 38.4807,  
41.4547


216.1257,  
235.6913, 255.1383

 23.2422, 26.3560,  
28.3522

261.4788,  
284.5252, 308.1107

 14.8941, 17.0901,  
18.3500

312.7704,  
339.6775, 367.9502

 8.8310, 10.2988,  
11.0295

370.3658,

 4.6873, 5.5975,

401.5326, 435.0755

5.9723

434.6303,  
470.4750, 509.9050

■ 2.0978, 2.6019,  
2.7597

■ 0.6880, 0.9276,  
0.9733

■ 86.7906, 95.8520,  
103.5495

■ 86.7906, 95.8520,  
103.5495

■ 77.8984, 91.3966,  
97.3179

95.0500, 100.0000,  
108.9000

■ 70.2026, 87.5530,  
91.3682

■ 63.6485, 84.2930,  
85.6967

■ 58.1764, 81.5859,  
80.2980

■ 53.7208, 79.3979,  
75.1663

■ 50.2088, 77.6915,  
70.2954

■ 47.5577, 76.4243,  
65.6786

■ 45.6696, 75.5457,  
61.3085

■ 44.4099, 74.9865,  
57.1759

# Harmonies

## Analogous

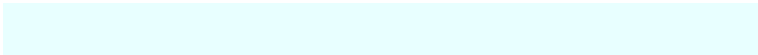
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4996, 95.8520, 97.5344



86.7906, 95.8520, 103.5495



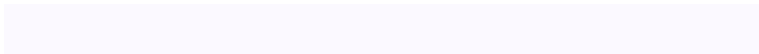
87.2215, 95.8520, 110.0341

# Triad

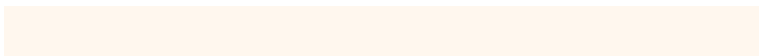
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7906, 95.8520, 103.5495



93.0625, 95.8520, 116.0604



93.5659, 95.8520, 94.2491

# Complementary

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



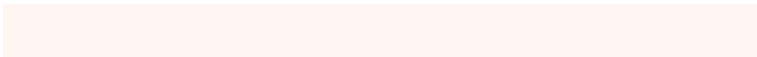
86.7906, 95.8520, 103.5495



86.3916, 86.3980, 94.5613

# 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.



95.1010, 95.8520, 98.8970



86.7906, 95.8520, 103.5495



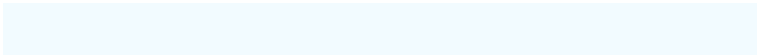
94.8070, 95.8520, 111.5105

# Square

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



86.7906, 95.8520, 103.5495



90.8187, 95.8520, 117.4315



95.5589, 95.8520, 105.1879



91.3908, 95.8520, 92.3084

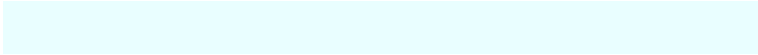


# Rectangle

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



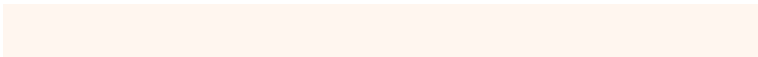
86.7906, 95.8520, 103.5495



88.1011, 95.8520, 113.7241



95.5589, 95.8520, 105.1879



94.1753, 95.8520, 95.5369

# Sweetspot

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



86.7915, 95.8524, 103.5510



92.9648, 98.9520, 107.5827



86.6492, 96.0387, 91.8138



19.9202, 21.1908, 23.0410



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

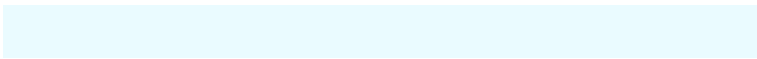
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7915, 95.8524, 103.5510



85.1321, 95.0201, 102.4297



86.4172, 93.5825, 108.1163



18.3206, 20.3878, 21.9913



23.1734, 39.1660, 29.8622



2.3034, 3.8323, 3.1557



# Inverse Universe

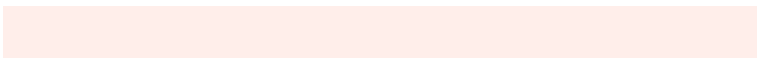
The Inverse Universe completely reimagines the original color for something new.



86.3916, 86.3980, 94.5613



84.6524, 83.6775, 91.6452



86.7248, 88.4671, 90.3484



18.2227, 18.0724, 19.7898



22.2296, 11.3811, 4.5934

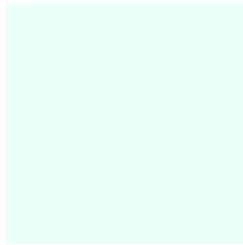


2.2090, 1.1260, 0.6822



# Previews

## White Background



This preview shows how the XYZ color 86.7906, 95.8520, 103.5495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

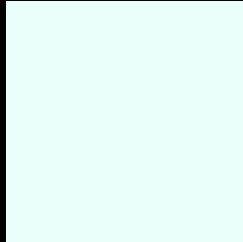
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.7906, 95.8520, 103.5495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

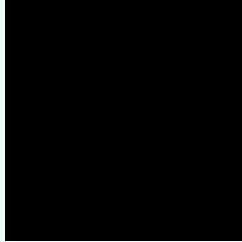
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

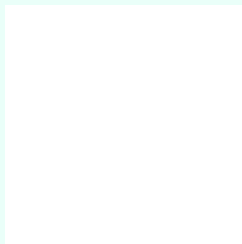
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.7906, 95.8520, 103.5495

## Background



This preview shows how black text looks on a background with the XYZ color 86.7906, 95.8520, 103.5495.



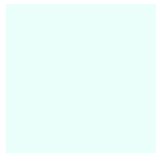
This preview shows how white text looks on a background with the XYZ color 86.7906, 95.8520,

103.5495.

# 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

86.7906, 95.8520, 103.5495

### Protanopia

91.7502, 95.6652, 100.8182

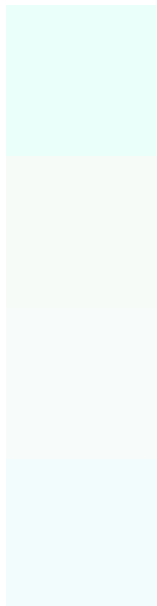
### Deuteranopia

92.0627, 95.2969, 103.9844

## **Tritanopia**

90.5934, 95.3654, 108.2403

# Trichromacy



## Original Color

86.7906, 95.8520, 103.5495

## Protanomaly

89.6435, 95.4839, 101.7012

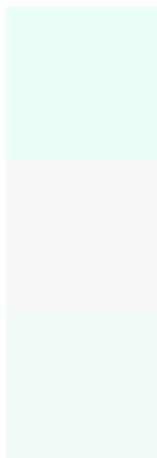
## Deuteranomaly

90.1103, 95.6706, 104.1594

## Tritanomaly

89.1580, 95.5899, 106.6801

# Monochromacy



## Original Color

86.7906, 95.8520, 103.5495

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.4026, 94.8264, 102.4509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.7906, 95.8520, 103.5495 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 86.7906, 95.8520, 103.5495 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, 249) }
```



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

```
.border{ border-color:rgb(234, 255, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.7906, 95.8520, 103.5495 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, 249) }
```

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

```
.background{ background-color: rgb(234,  
255, 249) }
```

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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