

# Converting Colors

XYZ(86.3693, 93.2353,  
103.8043)

Have a look what the booklet for  
XYZ(86.3693, 93.2353, 103.8043)  
contains.

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# Color

**XYZ(86.3660, 93.2779,  
103.8949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFAFA
RGB	237, 250, 250
RGB Percent	93%, 98%, 98%
CMY	0.0706, 0.0196, 0.0196
CMYK	0.05, 0.00, 0.00, 0.02
HSL	180°, 57%, 95%
HSV	180°, 5%, 98%
XYZ	86.3660, 93.2779, 103.8949
YIQ	246.1130, -7.7480, -2.7560

# Conversions

## Conversions Part 2

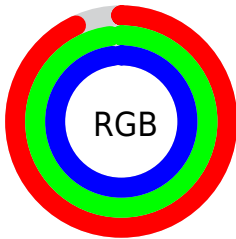
Format	Color
R <sub>Y</sub> B	237, 244, 250
Decimal	15596282
CIE Lab	97.34, -4.25, -1.48
CIE LCh	97, 4.498, 199.260
Yxy	93.2779, 0.3046, 0.3290
Android (android.graphics.Color)	4293786362 (0xFFEDFAFA)
YUV	246.1130, 1.9163, -7.9921
Hunter-Lab	96.5805, -9.3943, 3.8261

# Details

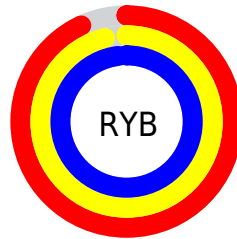
The XYZ color **86.3660, 93.2779, 103.8949** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.9981, 87.0093, 92.4399**, and the grayscale version is **87.6806, 92.2468, 100.4568**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0854, 52.3024, 58.5999** is the 20% darker color. If you saturate the color by 10%, you get **78.5935, 89.2738, 103.5267**, and if you desaturate by 10%, it is **92.6842, 96.5375, 104.1989**.

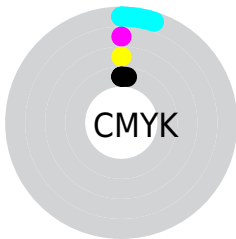
# Distribution



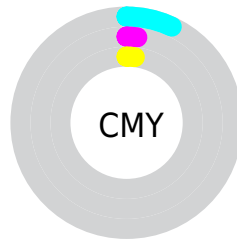
- Red (93%)
- Green (98%)
- Blue (98%)



- Red (93%)
- Yellow (96%)
- Blue (98%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3660, 93.2779, 103.8949 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 86.3660, 93.2779, 103.8949 by changing the saturation by 10% instead.



86.3660, 93.2779,  
103.8949

86.3660, 93.2779,  
103.8949

504.5531,  
538.6370, 593.9622

65.2969, 70.7025,  
78.9224

141.1843,  
151.8833, 168.5978

47.9675, 52.0995,  
58.3110

175.6643,  
188.6821, 209.1653

34.0123, 37.0844,  
41.6424

215.3453,  
230.9908, 255.7682

23.0660, 25.2728,  
28.4979

260.5927,  
279.1938, 308.8250

14.7632, 16.2804,  
18.4590

311.7718,  
333.6756, 368.7542

8.7386, 9.7228,  
11.1072

369.2480,

4.6268, 5.2156,

394.8204, 435.9745

6.0239

433.3867,  
463.0128, 510.9043

■ 2.0625, 2.3743,  
2.7906

■ 0.6687, 0.8126,  
0.9887

■ 86.3660, 93.2779,  
103.8949

■ 86.3660, 93.2779,  
103.8949

■ 78.5935, 89.2738,  
103.5267

■ 92.6842, 96.5375,  
104.1989

■ 71.9342, 85.8409,  
103.2087


■ 92.6854, 96.5380,  
104.2053


■ 66.3397, 82.9569,  
102.9406


■ 92.6866, 96.5385,  
104.2117


■ 61.7546, 80.5934,  
102.7197


■ 92.6878, 96.5389,  
104.2181


 58.1189, 78.7193,  
102.5432


 92.6890, 96.5394,  
104.2245


 55.3660, 77.3003,  
102.4080


 92.6903, 96.5399,  
104.2309


 53.4209, 76.2977,  
102.3106

 92.6915, 96.5404,  
104.2373

 52.1961, 75.6664,  
102.2470

 92.6927, 96.5409,  
104.2437

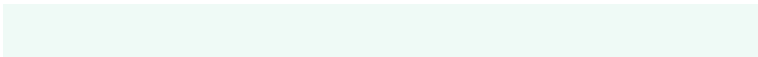
 51.5836, 75.3508,  
102.2120

 92.6939, 96.5414,  
104.2501

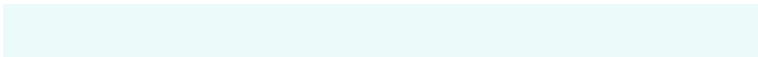
# Harmonies

## Analogous

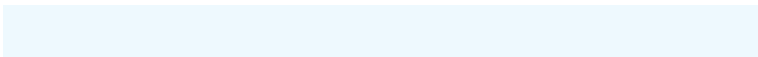
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2735, 93.2779, 100.2624



86.3660, 93.2779, 103.8949



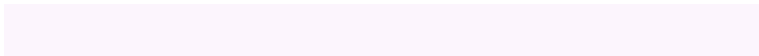
87.0692, 93.2779, 106.9711

# Triad

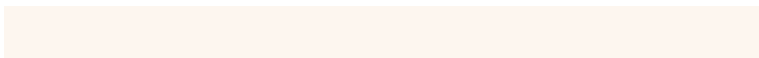
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3660, 93.2779, 103.8949



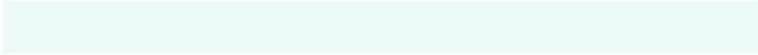
90.5263, 93.2779, 106.2101



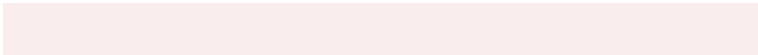
89.1150, 93.2779, 94.8277

# Complementary

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



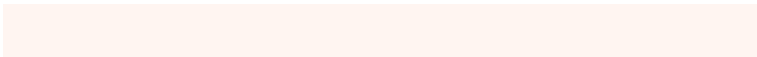
86.3660, 93.2779, 103.8949



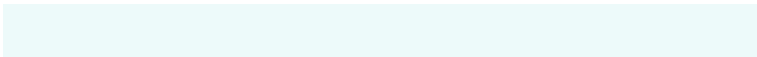
84.9981, 87.0093, 92.4399

# Split Complementary

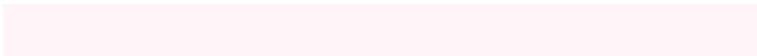
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2657, 93.2779, 96.3418



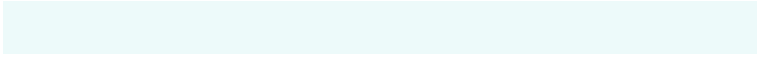
86.3660, 93.2779, 103.8949



91.0857, 93.2779, 102.8764

# Square

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



86.3660, 93.2779, 103.8949



89.4681, 93.2779, 108.3298



90.9899, 93.2779, 99.2678

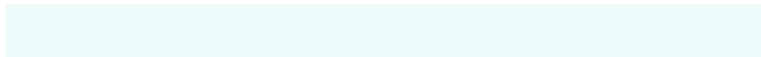


87.8525, 93.2779, 95.0856



# Rectangle

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



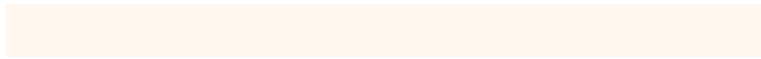
86.3660, 93.2779, 103.8949



87.7934, 93.2779, 108.2651



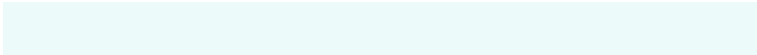
90.9899, 93.2779, 99.2678



89.5279, 93.2779, 95.1448

# Sweetspot

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



86.3687, 93.2819, 103.8970



93.1983, 99.0454, 108.8120



84.4718, 92.5315, 93.5305



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000

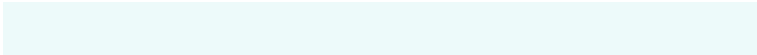


20.3446, 21.4041, 23.3091



# Same Dimension

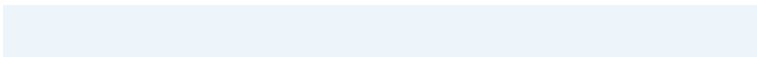
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3687, 93.2819, 103.8970



89.6426, 97.2125, 108.6430



84.4486, 89.4407, 103.2600



18.2551, 19.8609, 22.2558



27.2796, 39.9248, 54.2088

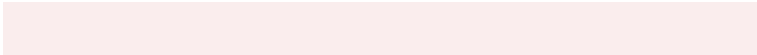


2.5266, 3.6978, 5.0211



# Inverse Universe

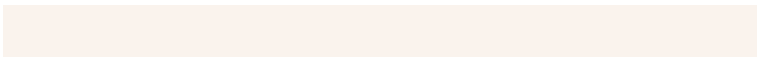
The Inverse Universe completely reimagines the original color for something new.



84.9981, 87.0093, 92.4399



87.9962, 89.6774, 94.8799



86.8493, 90.7127, 93.0541



17.8834, 18.1597, 19.1486



20.9122, 10.7806, 0.9803

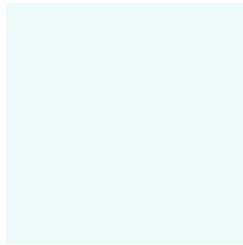


1.9369, 0.9985, 0.0912



# Previews

## White Background



This preview shows how the XYZ color 86.3660, 93.2779, 103.8949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

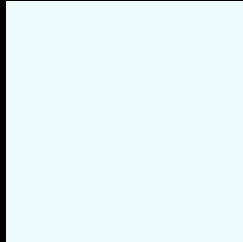
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.3660, 93.2779, 103.8949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

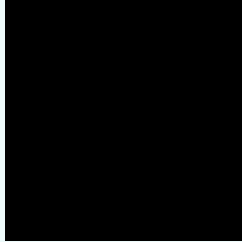
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

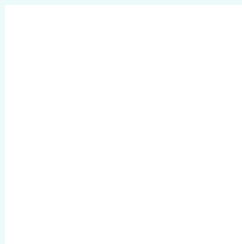
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.3660, 93.2779, 103.8949

## Background



This preview shows how black text looks on a background with the XYZ color 86.3660, 93.2779, 103.8949.



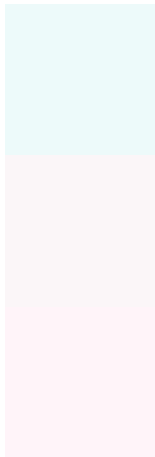
This preview shows how white text looks on a background with the XYZ color 86.3660, 93.2779,

103.8949.

# 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

86.3660, 93.2779, 103.8949

### Protanopia

89.6827, 93.1981, 102.0692

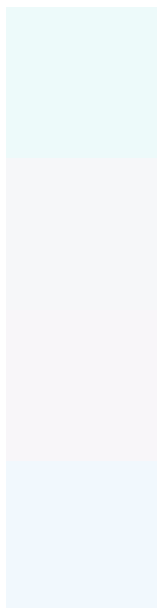
### Deuteranopia

90.6896, 92.8009, 102.7550

## **Tritanopia**

88.6190, 92.9746, 107.8829

# Trichromacy



## Original Color

86.3660, 93.2779, 103.8949

## Protanomaly

88.3657, 92.9539, 102.9071

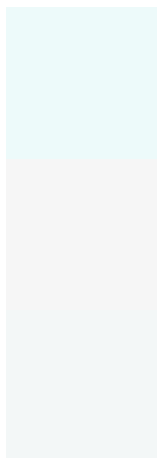
## Deuteranomaly

88.7660, 92.7075, 102.8384

## Tritanomaly

87.5727, 92.9274, 106.2497

# Monochromacy



## Original Color

86.3660, 93.2779, 103.8949

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.0114, 92.2916, 101.2238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.3660, 93.2779, 103.8949 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(237, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(237, 250, 250)  
}
```

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(237, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 250, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 86.3660, 93.2779, 103.8949 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(237, 250, 250) }
```



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

```
.border{ border-color:rgb(237, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(237, 250,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.3660, 93.2779, 103.8949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 250, 250) }
```

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

```
.background{ background-color: rgb(237,  
250, 250) }
```

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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