

# Converting Colors

XYZ(87.7291, 96.2502,  
107.4619)

Have a look what the booklet for  
XYZ(87.7291, 96.2502, 107.4619)  
contains.

<b>XYZ(87.9103, 96.3379, 107.7276)</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(87.9103, 96.3379,  
107.7276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFFE
RGB	235, 255, 254
RGB Percent	92%, 100%, 100%
CMY	0.0784, 0.0000, 0.0039
CMYK	0.08, 0.00, 0.00, 0.00
HSL	177°, 100%, 96%
HSV	177°, 8%, 100%
XYZ	87.9103, 96.3379, 107.7276
YIQ	248.9060, -11.5990, -4.5510

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 245, 255
Decimal	15466494
CIE Lab	98.57, -6.66, -1.76
CIE LCh	99, 6.891, 194.814
Yxy	96.3379, 0.3011, 0.3300
Android (android.graphics.Color)	4293656574 (0xFFEBFFFE)
YUV	248.9060, 2.5113, -12.1956
Hunter-Lab	98.1519, -11.8912, 3.6320

# Details

The XYZ color **87.9103, 96.3379, 107.7276** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.0892, 86.7339, 91.5609**, and the grayscale version is **89.9518, 94.6363, 103.0589**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8625, 54.0031, 60.6716** is the 20% darker color. If you saturate the color by 10%, you get **79.8832, 92.2232, 106.2927**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

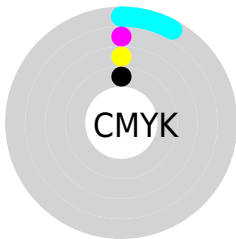
# Distribution



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



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9103, 96.3379, 107.7276 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 87.9103, 96.3379, 107.7276 by changing the saturation by 10% instead.




 87.9103, 96.3379,  
107.7276

 87.9103, 96.3379,  
107.7276


509.5492,  
548.4393, 606.1511

 66.5793, 73.2490,  
82.1169


143.3254,  
156.1117, 173.8810

 49.0123, 54.1796,  
60.9255


178.1403,  
193.5653, 215.2608

 34.8438, 38.7453,  
43.7349


218.1805,  
236.5761, 262.7340

 23.7085, 26.5616,  
30.1265

263.8114,  
285.5282, 316.7193

 15.2411, 17.2443,  
19.6818

315.3984,  
340.8063, 377.6351

 9.0762, 10.4088,  
11.9821

373.3068,

 4.8484, 5.6708,

402.7945, 445.8999

6.6091

437.9020,  
471.8774, 521.9324

■ 2.1924, 2.6460,  
3.1442

■ 0.7388, 0.9498,  
1.1687

■ 87.9103, 96.3379,  
107.7276

■ 87.9103, 96.3379,  
107.7276

■ 79.8832, 92.2232,  
106.2927

95.0500, 100.0000,  
108.9000

■ 73.0122, 88.7044,  
104.9176

■ 67.2435, 85.7537,  
103.6010

■ 62.5180, 83.3406,  
102.3403

■ 58.7710, 81.4318,  
101.1324

■ 55.9304, 79.9901,  
99.9740

■ 53.9145, 78.9734,  
98.8611

■ 52.6267, 78.3320,  
97.7893

■ 51.9380, 77.9991,  
96.7525

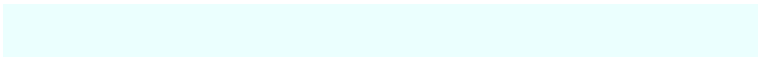
# Harmonies

## Analogous

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



87.9166, 96.3379, 102.0461



87.9103, 96.3379, 107.7276



88.8739, 96.3379, 112.8247

# Triad

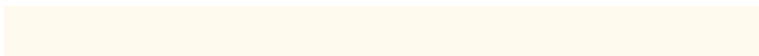
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9103, 96.3379, 107.7276



94.2946, 96.3379, 112.8776



92.5741, 96.3379, 94.6537

# Complementary

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



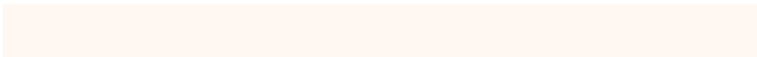
87.9103, 96.3379, 107.7276



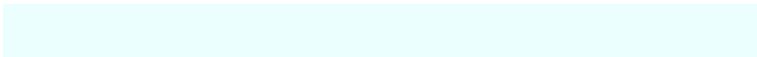
86.0892, 86.7339, 91.5609

# 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.



94.3125, 96.3379, 97.3469



87.9103, 96.3379, 107.7276



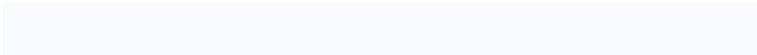
95.3156, 96.3379, 107.7976

# Square

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



87.9103, 96.3379, 107.7276



92.5499, 96.3379, 115.8705



95.3223, 96.3379, 102.1137

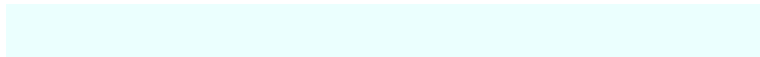


90.5897, 96.3379, 94.6365

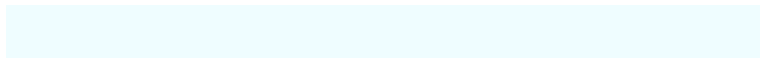


# Rectangle

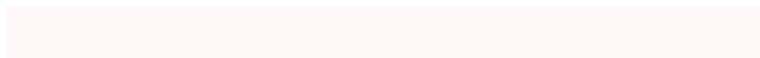
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9103, 96.3379, 107.7276



89.9447, 96.3379, 115.1468



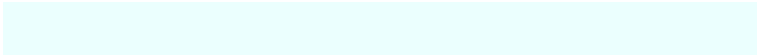
95.3223, 96.3379, 102.1137



93.2072, 96.3379, 95.2716

# Sweetspot

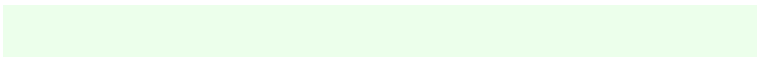
The Sweet Spot groups the original color and five complimentary colors.



87.9113, 96.3384, 107.7291



93.1575, 99.0291, 108.5976



85.3483, 95.3514, 92.5050



19.9594, 21.2065, 23.2476



0.0000, 0.0000, 0.0000

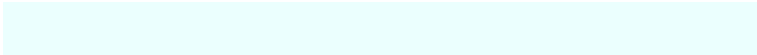


20.3446, 21.4041, 23.3091



# Same Dimension

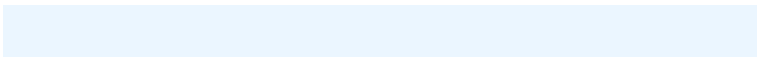
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9113, 96.3384, 107.7291



86.9210, 95.8306, 107.5596



85.2676, 90.7945, 107.6388



18.5134, 20.4649, 23.0064



27.0982, 40.7359, 50.5299



2.6500, 3.9709, 4.9809

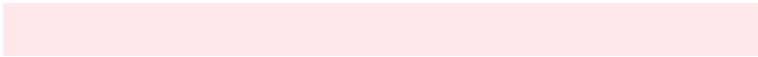


# Inverse Universe

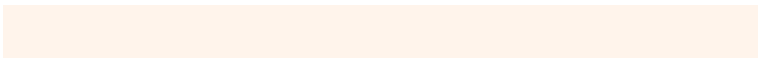
The Inverse Universe completely reimagines the original color for something new.



86.0892, 86.7339, 91.5609



84.8466, 84.8958, 89.1520



88.5867, 91.9603, 91.6798



18.0461, 18.0018, 18.8600



21.6011, 11.1297, 1.2839

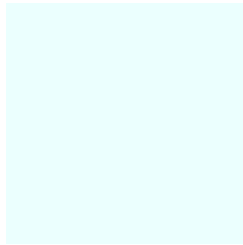


2.1156, 1.0886, 0.1900



# Previews

## White Background



This preview shows how the XYZ color 87.9103, 96.3379, 107.7276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

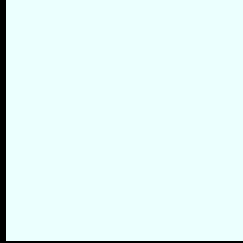
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.9103, 96.3379, 107.7276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

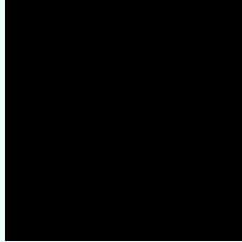
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.9103, 96.3379, 107.7276

## Background



This preview shows how black text looks on a background with the XYZ color 87.9103, 96.3379, 107.7276.



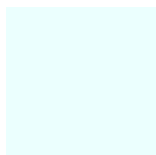
This preview shows how white text looks on a background with the XYZ color 87.9103, 96.3379,



# 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

87.9103, 96.3379, 107.7276

### Protanopia

92.5283, 95.9764, 104.9153

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.2586, 96.1708, 108.3607

# Trichromacy



**Original Color**

87.9103, 96.3379, 107.7276

**Protanomaly**

90.7793, 95.9791, 105.8367

**Deuteranomaly**

90.9382, 96.0427, 106.6736

**Tritanomaly**

89.8226, 95.8955, 108.3833

# Monochromacy



**Original Color**

87.9103, 96.3379, 107.7276

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.2180, 95.1925, 104.9385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.9103, 96.3379, 107.7276 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(235, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 254)  
}
```

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(235, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 87.9103, 96.3379, 107.7276 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(235, 255, 254) }
```



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

```
.border{ border-color:rgb(235, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.9103, 96.3379, 107.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 254) }
```

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

```
.background{ background-color: rgb(235,  
255, 254) }
```

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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