

# Converting Colors

XYZ(87.9783, 94.5562,  
106.7495)

Have a look what the booklet for  
XYZ(87.9783, 94.5562, 106.7495)  
contains.

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# Color

**XYZ(87.8234, 94.4369,  
106.5279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFBFD
RGB	239, 251, 253
RGB Percent	94%, 98%, 99%
CMY	0.0627, 0.0157, 0.0078
CMYK	0.06, 0.01, 0.00, 0.01
HSL	189°, 78%, 96%
HSV	189°, 6%, 99%
XYZ	87.8234, 94.4369, 106.5279
YIQ	247.6400, -7.7940, -1.9220

# Conversions

## Conversions Part 2

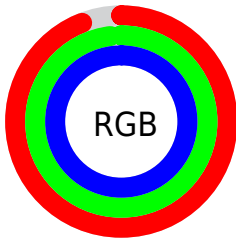
Format	Color
R <sub>Y</sub> B	239, 245, 253
Decimal	15727613
CIE Lab	97.81, -3.55, -2.33
CIE LCh	98, 4.247, 213.228
Yxy	94.4369, 0.3041, 0.3270
Android (android.graphics.Color)	4293917693 (0xFFE <sup>FF</sup> BFD)
YUV	247.6400, 2.6425, -7.5773
Hunter-Lab	97.1786, -8.7466, 3.0310

# Details

The XYZ color **87.8234, 94.4369, 106.5279** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.5437, 90.0245, 94.4253**, and the grayscale version is **88.9152, 93.5457, 101.8713**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0074, 53.0830, 59.8876** is the 20% darker color. If you saturate the color by 10%, you get **78.7572, 88.1087, 105.7857**, and if you desaturate by 10%, it is **94.6066, 99.6253, 107.1733**.

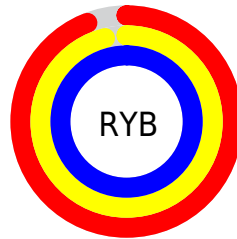
# Distribution



Red (94%)

Green (98%)

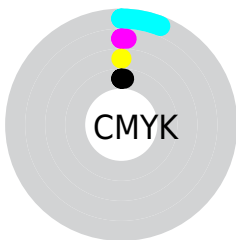
Blue (99%)



Red (94%)

Yellow (96%)

Blue (99%)

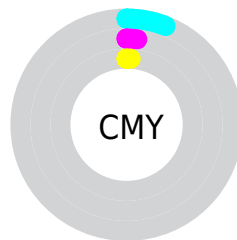


Cyan (6%)

Magenta (1%)

Yellow (0%)

Black (1%)



Cyan (6%)

Magenta (2%)


Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8234, 94.4369, 106.5279 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 87.8234, 94.4369, 106.5279 by changing the saturation by 10% instead.




 87.8234, 94.4369,  
106.5279

 87.8234, 94.4369,  
106.5279


509.2688,  
542.3607, 602.3496

 66.5071, 71.6664,  
81.1162


143.2051,  
153.4864, 172.2293

 48.9534, 52.8862,  
60.1057


178.0011,  
190.5342, 213.3561

 34.7969, 37.7119,  
43.0780


218.0212,  
233.1100, 260.5583

 23.6723, 25.7592,  
29.6145

263.6306,  
281.5980, 314.2544

 15.2141, 16.6436,  
19.2966

315.1947,  
336.3826, 374.8631

 9.0571, 9.9807,  
11.7058

373.0789,

 4.8358, 5.3862,

397.8484, 442.8028

6.4236

437.6485,  
466.3796, 518.4922

■ 2.1850, 2.4756,  
3.0314

■ 0.7348, 0.8644,  
1.1107

■ 87.8234, 94.4369,  
106.5279

■ 87.8234, 94.4369,  
106.5279

■ 78.7572, 88.1087,  
105.7857

94.6066, 99.6253,  
107.1733

■ 70.8558, 82.4100,  
105.1022

94.7299, 99.8720,  
107.2144

■ 64.0691, 77.3175,  
104.4770

■ 58.3399, 72.8015,  
103.9073

■ 53.6060, 68.8298,  
103.3901

■ 49.7986, 65.3667,  
102.9224

■ 46.8398, 62.3719,  
102.5003

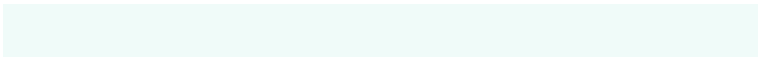
■ 44.6388, 59.7984,  
102.1195

■ 43.0834, 57.5882,  
101.7749

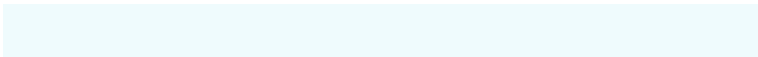
# Harmonies

## Analogous

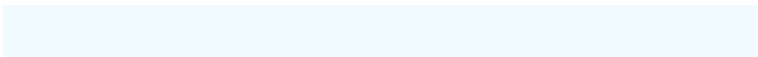
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4519, 94.4369, 103.2021



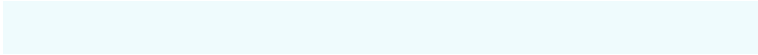
87.8234, 94.4369, 106.5279



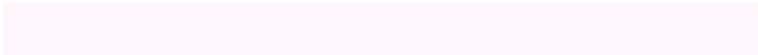
88.7134, 94.4369, 108.9026

# Triad

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



87.8234, 94.4369, 106.5279



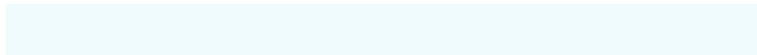
91.8570, 94.4369, 105.8626



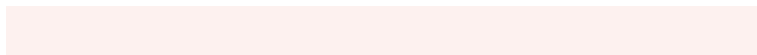
89.6282, 94.4369, 96.3027

# Complementary

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



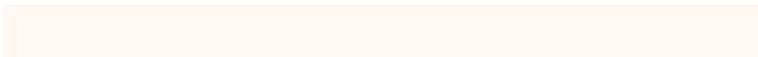
87.8234, 94.4369, 106.5279



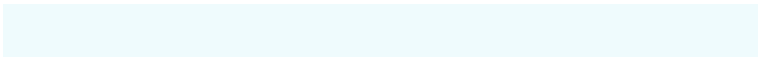
87.5437, 90.0245, 94.4253

# 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.



90.8137, 94.4369, 96.9792



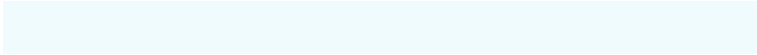
87.8234, 94.4369, 106.5279



92.1072, 94.4369, 102.4503

# Square

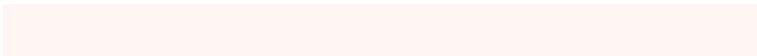
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8234, 94.4369, 106.5279



91.0430, 94.4369, 108.5125



91.7237, 94.4369, 99.2103

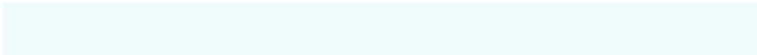


88.4880, 94.4369, 97.3412

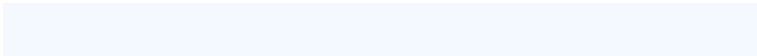


# Rectangle

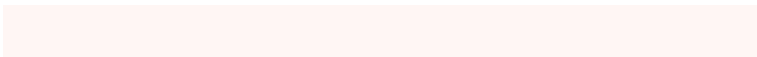
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



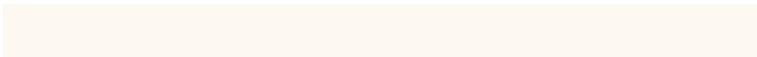
87.8234, 94.4369, 106.5279



89.4848, 94.4369, 109.5993



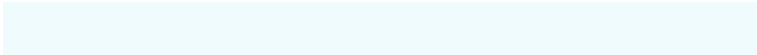
91.7237, 94.4369, 99.2103



90.0346, 94.4369, 96.3371

# Sweetspot

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



87.8261, 94.4409, 106.5300



92.9670, 98.5824, 108.7362



86.5806, 94.9458, 96.8793



19.9206, 21.1156, 23.2757



0.0000, 0.0000, 0.0000

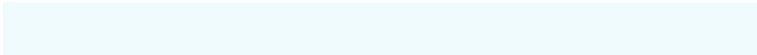


20.3446, 21.4041, 23.3091



# Same Dimension

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



87.8261, 94.4409, 106.5300



87.9786, 95.1572, 108.3380



85.7185, 90.2258, 105.8275



18.7066, 20.2815, 23.1787



22.7036, 30.3167, 54.0897



2.2684, 3.0675, 5.2858



# Inverse Universe

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



88.7892, 89.5825, 103.8829



89.2105, 88.9724, 104.9454



89.6159, 94.1691, 95.1160



18.9922, 18.8507, 22.3917



28.2479, 13.7885, 36.2856

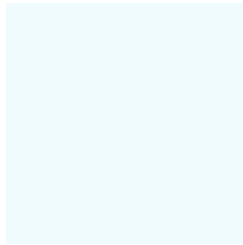


2.7796, 1.3542, 3.6868



# Previews

## White Background



This preview shows how the XYZ color 87.8234, 94.4369, 106.5279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

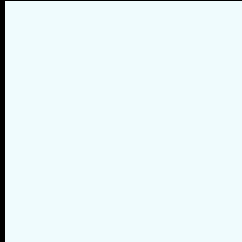
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.8234, 94.4369, 106.5279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

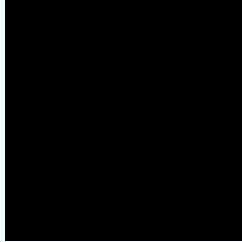
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.8234, 94.4369, 106.5279**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.8234, 94.4369, 106.5279.



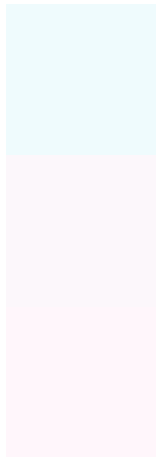
This preview shows how white text looks on a background with the XYZ color 87.8234, 94.4369,

106.5279.

# 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

87.8234, 94.4369, 106.5279

### Protanopia

90.8182, 94.1820, 104.6591

### Deuteranopia

91.6084, 94.1366, 104.6087

## Tritanopia

89.9317, 94.5642, 108.1205

# Trichromacy



**Original Color**

87.8234, 94.4369, 106.5279

**Protanomaly**

89.4959, 93.9372, 105.5102

**Deuteranomaly**

90.2050, 94.3028, 105.5434

**Tritanomaly**

89.0371, 94.5817, 107.3293

# Monochromacy



**Original Color**

87.8234, 94.4369, 106.5279

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

88.7872, 94.0660, 103.9194

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.8234, 94.4369, 106.5279 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(239, 251, 253)` looks like.

```
.text, #text, p{  
    color:rgb(239, 251, 253)  
}
```

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(239, 251, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 251, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 87.8234, 94.4369, 106.5279 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(239, 251, 253) }
```



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

```
.border{ border-color:rgb(239, 251, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 251, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 251, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 251, 253);  
box-shadow:4px 4px 4px 4px rgb(239, 251,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.8234, 94.4369, 106.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 251, 253) }
```

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

```
.background{ background-color: rgb(239,  
251, 253) }
```

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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