

# Converting Colors

XYZ(86.9490, 94.3915,  
106.4678)

Have a look what the booklet for  
XYZ(86.9490, 94.3915, 106.4678)  
contains.

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# Color

**XYZ(87.1321, 94.5455,  
106.5853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFCFD
RGB	236, 252, 253
RGB Percent	93%, 99%, 99%
CMY	0.0745, 0.0117, 0.0078
CMYK	0.07, 0.00, 0.00, 0.01
HSL	184°, 81%, 96%
HSV	184°, 7%, 99%
XYZ	87.1321, 94.5455, 106.5853
YIQ	247.3300, -9.8570, -3.0810

# Conversions

## Conversions Part 2

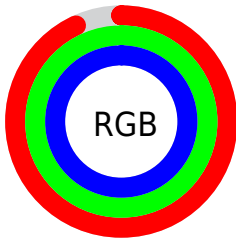
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 244, 253
Decimal	15531261
CIE Lab	97.85, -5.02, -2.29
CIE LCh	98, 5.518, 204.492
Yxy	94.5455, 0.3023, 0.3280
Android (android.graphics.Color)	4293721341 (0xFFECFCFD)
YUV	247.3300, 2.7953, -9.9364
Hunter-Lab	97.2345, -10.2061, 3.0724

# Details

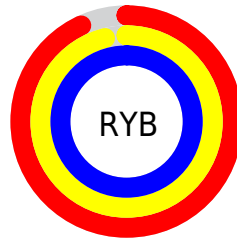
The XYZ color **87.1321, 94.5455, 106.5853** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.9329, 87.5066, 91.7197**, and the grayscale version is **88.6626, 93.2799, 101.5818**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3013, 52.7190, 59.8546** is the 20% darker color. If you saturate the color by 10%, you get **78.8569, 89.5936, 106.0671**, and if you desaturate by 10%, it is **94.2495, 98.9112, 107.0543**.

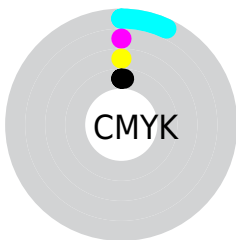
# Distribution



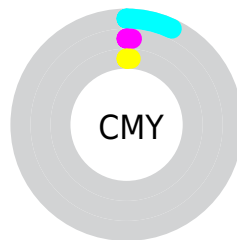
- Red (93%)
- Green (99%)
- Blue (99%)



- Red (93%)
- Yellow (96%)
- Blue (99%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (7%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1321, 94.5455, 106.5853 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 87.1321, 94.5455, 106.5853 by changing the saturation by 10% instead.



 87.1321, 94.5455,  
106.5853

 87.1321, 94.5455,  
106.5853


507.0349,  
542.7089, 602.5318

 65.9329, 71.7568,  
81.1640


142.2470,  
153.6365, 172.3084

 48.4855, 52.9600,  
60.1449


176.8934,  
190.7076, 213.4473

 34.4243, 37.7708,  
43.1094


216.7529,  
233.3083, 260.6625

 23.3842, 25.8049,  
29.6389

262.1909,  
281.8229, 314.3725

 14.9997, 16.6777,  
19.3150

313.5728,  
336.6359, 374.9959

 8.9055, 10.0050,  
11.7190

371.2638,

 4.7362, 5.4023,

398.1316, 442.9512

6.4324

435.6294,  
466.6945, 518.6570

■ 2.1265, 2.4852,  
3.0367

■ 0.7036, 0.8692,  
1.1134

■ 87.1321, 94.5455,  
106.5853

■ 87.1321, 94.5455,  
106.5853

■ 78.8569, 89.5936,  
106.0671

■ 94.2495, 98.9112,  
107.0543

■ 71.7227, 85.2326,  
105.6014

■ 94.7206, 99.8533,  
107.2113

■ 65.6790, 81.4392,  
105.1877

■ 94.7299, 99.8720,  
107.2144

■ 60.6683, 78.1837,  
104.8234

■ 56.6277, 75.4336,  
104.5056

■ 53.4876, 73.1531,  
104.2309

■ 51.1690, 71.3014,  
103.9957

■ 49.5792, 69.8308,  
103.7956

■ 48.6015, 68.6809,  
103.6252

# Harmonies

## Analogous

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



86.8788, 94.5455, 102.1129



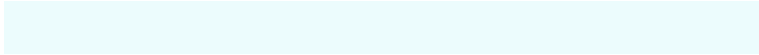
87.1321, 94.5455, 106.5853



88.1134, 94.5455, 110.1743

# Triad

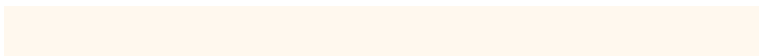
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1321, 94.5455, 106.5853



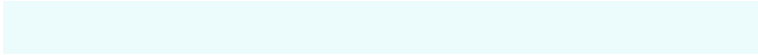
92.3530, 94.5455, 108.0694



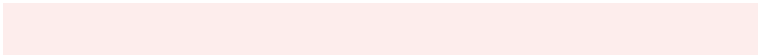
90.1540, 94.5455, 94.5417

# Complementary

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



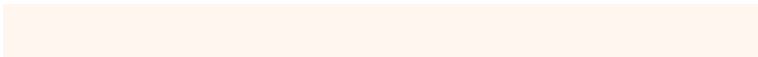
87.1321, 94.5455, 106.5853



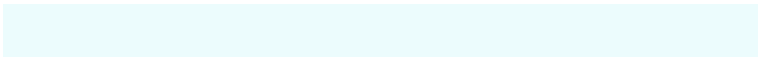
85.9329, 87.5066, 91.7197

# Split Complementary

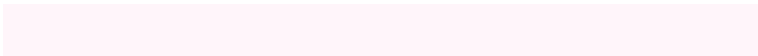
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6349, 94.5455, 96.0371



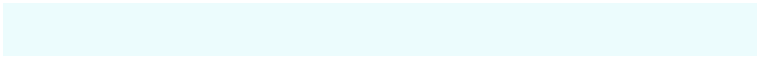
87.1321, 94.5455, 106.5853



92.9140, 94.5455, 103.7796

# Square

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



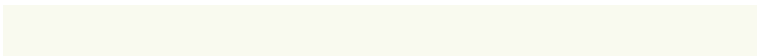
87.1321, 94.5455, 106.5853



91.1253, 94.5455, 111.0485



92.6497, 94.5455, 99.3865

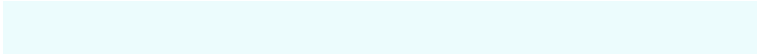


88.6118, 94.5455, 95.2437

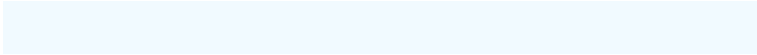


# Rectangle

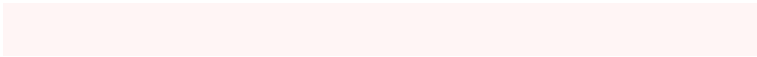
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



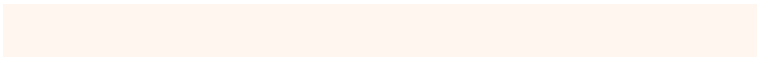
87.1321, 94.5455, 106.5853



89.0546, 94.5455, 111.5385



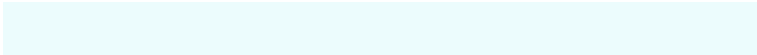
92.6497, 94.5455, 99.3865



90.6756, 94.5455, 94.8027

# Sweetspot

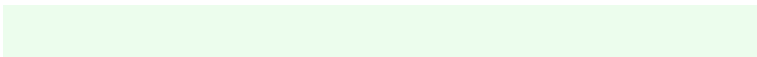
The Sweet Spot groups the original color and five complimentary colors.



87.1348, 94.5495, 106.5874



93.1032, 98.8550, 108.7816



84.9830, 94.1907, 93.7090



19.9483, 21.1710, 23.2850



0.0000, 0.0000, 0.0000

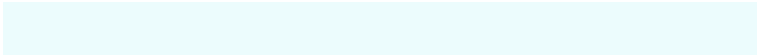


20.3446, 21.4041, 23.3091

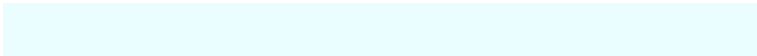


# Same Dimension

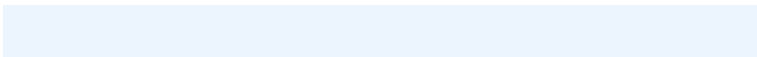
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1348, 94.5495, 106.5874



87.5588, 95.5738, 108.4405



84.5687, 89.4172, 105.7320



18.4583, 20.2883, 23.1931



25.7614, 36.4324, 55.1090



2.5349, 3.6005, 5.3746



# Inverse Universe

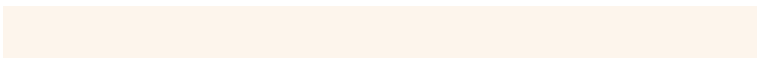
The Inverse Universe completely reimagines the original color for something new.



88.0763, 87.9037, 104.4251



88.6920, 87.5911, 105.8341



88.4082, 92.4572, 92.5448



18.7440, 18.2809, 22.5350



29.7914, 14.4058, 44.4132

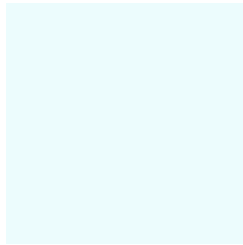


2.9141, 1.4080, 4.3951



# Previews

## White Background



This preview shows how the XYZ color 87.1321, 94.5455, 106.5853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

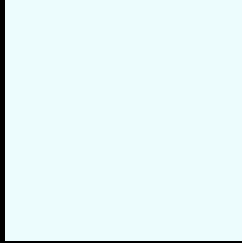
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1321, 94.5455, 106.5853 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 87.1321, 94.5455, 106.5853

## Background



This preview shows how black text looks on a background with the XYZ color 87.1321, 94.5455, 106.5853.



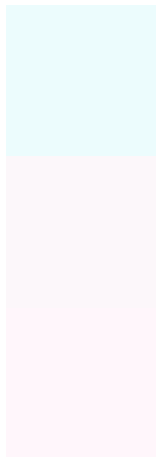
This preview shows how white text looks on a background with the XYZ color 87.1321, 94.5455,

106.5853.

# 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

87.1321, 94.5455, 106.5853

### Protanopia

90.6610, 94.1191, 103.8309

### Deuteranopia

91.6084, 94.1366, 104.6087

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



**Original Color**

87.1321, 94.5455, 106.5853

**Protanomaly**

89.2943, 94.3092, 104.7640

**Deuteranomaly**

89.8495, 94.1195, 105.5268

**Tritanomaly**

88.6929, 94.4042, 107.3131

# Monochromacy



**Original Color**

87.1321, 94.5455, 106.5853

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

87.9367, 93.6456, 103.0632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1321, 94.5455, 106.5853 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(236, 252, 253)` looks like.

```
.text, #text, p{  
    color:rgb(236, 252, 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(236, 252, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 252, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1321, 94.5455, 106.5853 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(236, 252, 253) }
```



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

```
.border{ border-color:rgb(236, 252, 253) }
```

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

Here you see how a box with a 4 pixel rgb(236, 252, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 252, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 252, 253);  
box-shadow:4px 4px 4px 4px rgb(236, 252,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1321, 94.5455, 106.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 252, 253) }
```

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

```
.background{ background-color: rgb(236,  
252, 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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