

# Converting Colors

XYZ(84.8614, 94.7838,  
106.7842)

Have a look what the booklet for  
XYZ(84.8614, 94.7838, 106.7842)  
contains.

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# Color

**XYZ(84.8537, 94.7806,  
106.7507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FFFD
RGB	226, 255, 253
RGB Percent	89%, 100%, 99%
CMY	0.1137, 0.0000, 0.0078
CMYK	0.11, 0.00, 0.01, 0.00
HSL	176°, 100%, 94%
HSV	176°, 11%, 100%
XYZ	84.8537, 94.7806, 106.7507
YIQ	246.1010, -16.6420, -6.7700

# Conversions

## Conversions Part 2

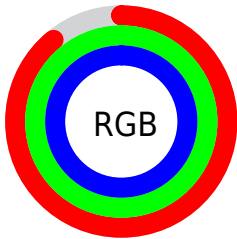
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 241, 255
Decimal	14876669
CIE Lab	97.95, -9.70, -2.23
CIE LCh	98, 9.952, 192.936
Yxy	94.7806, 0.2963, 0.3310
Android (android.graphics.Color)	4293066749 (0xFFE2FFFD)
YUV	246.1010, 3.4012, -17.6286
Hunter-Lab	97.3553, -14.7934, 3.1369

# Details

The XYZ color **84.8537, 94.7806, 106.7507** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4407, 81.2555, 84.7380**, and the grayscale version is **87.6618, 92.2270, 100.4352**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7355, 52.9197, 59.9759** is the 20% darker color. If you saturate the color by 10%, you get **77.1650, 90.8491, 104.9376**, and if you desaturate by 10%, it is **93.7361, 99.3271, 108.6361**.

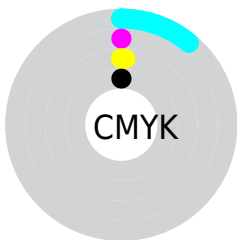
# Distribution



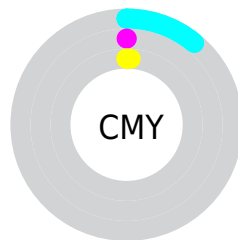
- Red (89%)
- Green (100%)
- Blue (99%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8537, 94.7806, 106.7507 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 84.8537, 94.7806, 106.7507 by changing the saturation by 10% instead.




 84.8537, 94.7806,  
106.7507

 84.8537, 94.7806,  
106.7507


499.6348,  
543.4624, 603.0565

 64.0426, 71.9524,  
81.3020


139.0838,  
153.9615, 172.5362

 46.9470, 53.1198,  
60.2579


173.2336,  
191.0829, 213.7100

 33.2015, 37.8984,  
43.1999


212.5602,  
233.7375, 260.9627

 22.4408, 25.9038,  
29.7094

257.4292,  
282.3097, 314.7126

 14.2996, 16.7517,  
19.3679

308.2057,  
337.1839, 375.3784

 8.4124, 10.0576,  
11.7570

365.2553,

 4.4140, 5.4372,

398.7445, 443.3787

6.4579

428.9432,  
467.3758, 519.1319

■ 1.9389, 2.5060,  
3.0522

■ 0.5993, 0.8796,  
1.1213

■ 84.8537, 94.7806,  
106.7507

■ 84.8537, 94.7806,  
106.7507

■ 77.1650, 90.8491,  
104.9376

■ 93.7361, 99.3271,  
108.6361

■ 70.6147, 87.5042,  
103.1898

■ 95.0500, 100.0000,  
108.9000

■ 65.1477, 84.7175,  
101.5060

■ 60.7029, 82.4574,  
99.8834

■ 57.2133, 80.6895,  
98.3189

■ 54.6038, 79.3749,  
96.8088

■ 52.7882, 78.4694,  
95.3491

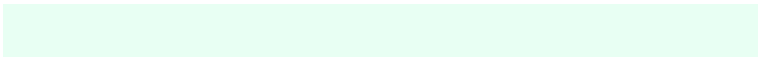
■ 51.6626, 77.9193,  
93.9350

■ 51.1086, 77.6595,  
92.7449

# Harmonies

## Analogous

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



84.9519, 94.7806, 98.6659



84.8537, 94.7806, 106.7507



86.1361, 94.7806, 114.2558

# Triad

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



84.8537, 94.7806, 106.7507



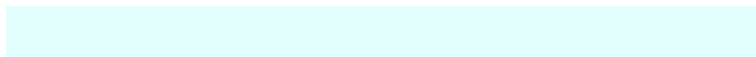
93.8680, 94.7806, 115.1130



91.7026, 94.7806, 88.9216

# Complementary

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



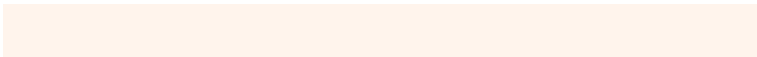
84.8537, 94.7806, 106.7507



82.4407, 81.2555, 84.7380

# 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.



94.1550, 94.7806, 92.8814



84.8537, 94.7806, 106.7507



95.4232, 94.7806, 107.8708

# Square

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



84.8537, 94.7806, 106.7507



91.3175, 94.7806, 119.2521



95.5293, 94.7806, 99.7288



88.8658, 94.7806, 88.6571

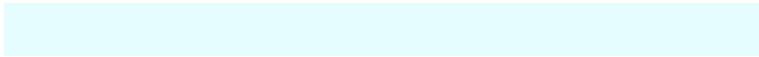


# Rectangle

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



84.8537, 94.7806, 106.7507



87.6174, 94.7806, 117.8052



95.5293, 94.7806, 99.7288



92.6007, 94.7806, 89.8547

# Sweetspot

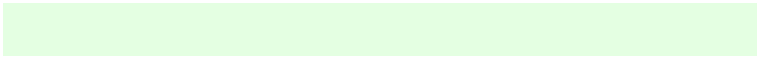
The Sweet Spot groups the original color and five complimentary colors.



84.8547, 94.7811, 106.7522



92.2066, 98.5439, 108.3245



81.6158, 93.5737, 85.7131



19.5774, 21.0112, 23.1532



0.0000, 0.0000, 0.0000

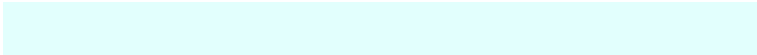


20.3446, 21.4041, 23.3091

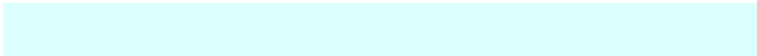


# Same Dimension

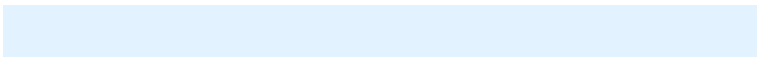
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8547, 94.7811, 106.7522



82.7202, 93.6892, 106.2687



81.4407, 87.4410, 107.1932



18.4976, 20.4586, 22.9235



26.7284, 40.5879, 48.5823



2.6180, 3.9581, 4.8124



# Inverse Universe

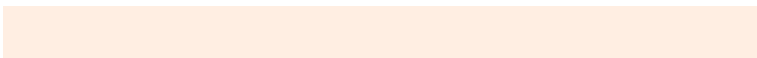
The Inverse Universe completely reimagines the original color for something new.



82.4407, 81.2555, 84.7380



79.8025, 77.3408, 79.6610



85.5670, 87.9495, 84.4193



18.0601, 18.0074, 18.9339



21.6226, 11.1383, 1.3971



2.1222, 1.0913, 0.2249



# Previews

## White Background



This preview shows how the XYZ color 84.8537, 94.7806, 106.7507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

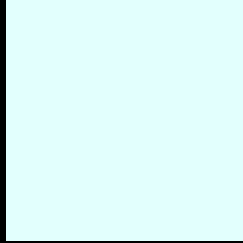
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8537, 94.7806, 106.7507 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 84.8537, 94.7806, 106.7507

## Background



This preview shows how black text looks on a background with the XYZ color 84.8537, 94.7806, 106.7507.



This preview shows how white text looks on a background with the XYZ color 84.8537, 94.7806,



# 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

84.8537, 94.7806, 106.7507



### Protanopia

90.8677, 94.2437, 103.0242

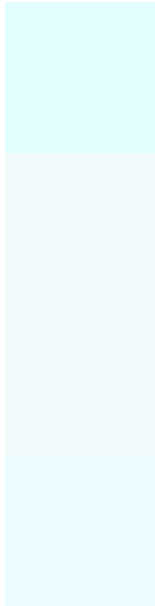
### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

89.5438, 94.8243, 108.1912

# Trichromacy



## Original Color

84.8537, 94.7806, 106.7507

## Protanomaly

88.4031, 94.3280, 103.9903

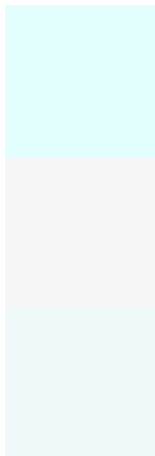
## Deuteranomaly

89.0645, 94.6326, 105.6672

## Tritanomaly

87.6248, 94.7811, 107.4422

# Monochromacy



## Original Color

84.8537, 94.7806, 106.7507

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.5712, 92.9416, 102.9993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8537, 94.7806, 106.7507 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(226, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 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(226, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8537, 94.7806, 106.7507 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(226, 255, 253) }
```



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

```
.border{ border-color:rgb(226, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8537, 94.7806, 106.7507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 253) }
```

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

```
.background{ background-color: rgb(226,  
255, 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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