

Converting Colors

XYZ(86.9171, 93.0333,
107.9839)

Have a look what the booklet for
XYZ(86.9171, 93.0333, 107.9839)
contains.

XYZ(86.8507, 92.9759, 107.9764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.8507, 92.9759,
107.9764)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF9FF
RGB	237, 249, 255
RGB Percent	93%, 98%, 100%
CMY	0.0706, 0.0235, 0.0000
CMYK	0.07, 0.02, 0.00, 0.00
HSL	200°, 100%, 96%
HSV	200°, 7%, 100%
XYZ	86.8507, 92.9759, 107.9764
YIQ	246.0960, -9.0780, -0.6780

Conversions

Conversions Part 2

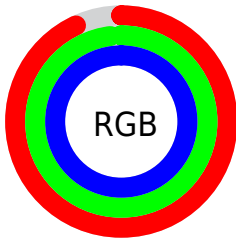
Format	Color
R _Y B	237, 244, 255
Decimal	15596031
CIE Lab	97.22, -2.81, -4.24
CIE LCh	97, 5.089, 236.427
Yxy	92.9759, 0.3018, 0.3231
Android (android.graphics.Color)	4293786111 (0xFFEDF9FF)
YUV	246.0960, 4.3897, -7.9772
Hunter-Lab	96.4240, -7.9641, 1.1034

Details

The XYZ color **86.8507, 92.9759, 107.9764** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5758, 91.4734, 93.1098**, and the grayscale version is **87.6480, 92.2125, 100.4195**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3191, 52.0409, 60.9243** is the 20% darker color. If you saturate the color by 10%, you get **76.3693, 83.7657, 106.7511**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

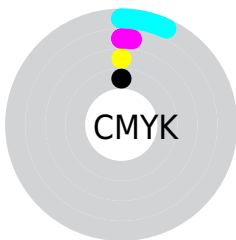
Distribution



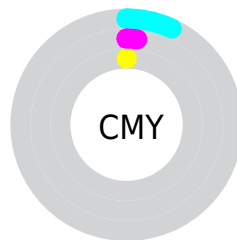
- Red (93%)
- Green (98%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8507, 92.9759, 107.9764 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 86.8507, 92.9759, 107.9764 by changing the saturation by 10% instead.

86.8507, 92.9759,
107.9764

86.8507, 92.9759,
107.9764

506.1241,
537.6645, 606.9379

65.6993, 70.4515,
82.3246

141.8568,
151.4652, 174.2233

48.2951, 51.8947,
61.0957

176.4421,
188.1990, 215.6554

34.2729, 36.9211,
43.8714

216.2361,
230.4379, 263.1848

23.2672, 25.1464,
30.2329

261.6042,
278.5664, 317.2298

14.9127, 16.1862,
19.7619

312.9117,
332.9689, 378.2091

8.8441, 9.6560,
12.0397

370.5239,

4.6959, 5.1715,

394.0299, 446.5412

6.6479

434.8062,
462.1336, 522.6446

■ 2.1029, 2.3482,
3.1678

■ 0.6908, 0.7991,
1.1809

■ 86.8507, 92.9759,
107.9764

■ 86.8507, 92.9759,
107.9764

■ 76.3693, 83.7657,
106.7511

95.0500, 100.0000,
108.9000

■ 67.1624, 75.3839,
105.6184

■ 59.1765, 67.8030,
104.5761

■ 52.3512, 60.9895,
103.6207

■ 46.6205, 54.9070,
102.7487

■ 41.9116, 49.5154,
101.9562

■ 38.1417, 44.7696,
101.2389

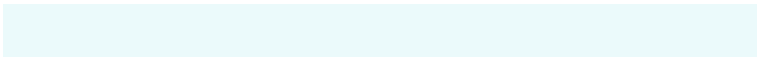
■ 35.2140, 40.6169,
100.5916

■ 33.0052, 36.9911,
100.0082

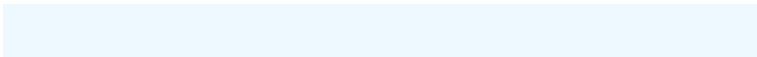
Harmonies

Analogous

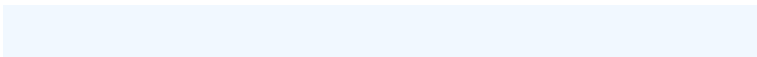
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9180, 92.9759, 104.7999



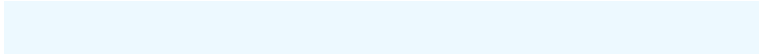
86.8507, 92.9759, 107.9764



88.1986, 92.9759, 109.3450

Triad

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



86.8507, 92.9759, 107.9764



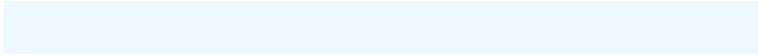
91.1590, 92.9759, 101.7292



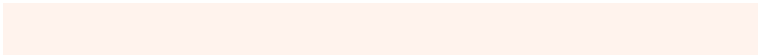
87.1461, 92.9759, 94.3086

Complementary

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



86.8507, 92.9759, 107.9764



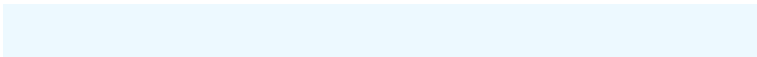
88.5758, 91.4734, 93.1098

Split Complementary

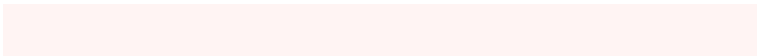
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5432, 92.9759, 93.5362



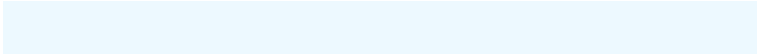
86.8507, 92.9759, 107.9764



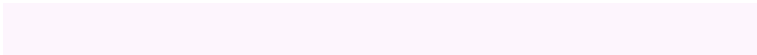
90.8698, 92.9759, 97.7517

Square

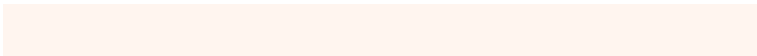
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



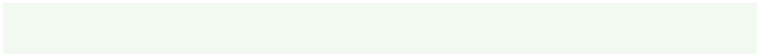
86.8507, 92.9759, 107.9764



90.6944, 92.9759, 105.6770



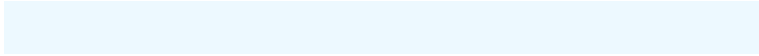
89.9085, 92.9759, 94.7801



86.0872, 92.9759, 96.9191

Rectangle

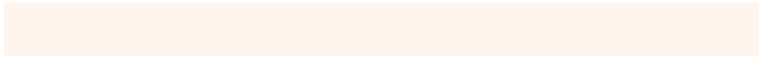
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8507, 92.9759, 107.9764



89.1550, 92.9759, 109.0213



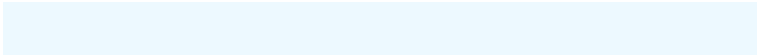
89.9085, 92.9759, 94.7801



87.5913, 92.9759, 93.8285

Sweetspot

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



86.8531, 92.9797, 107.9770



92.6590, 97.9666, 108.6335



86.8182, 95.9779, 98.5074



19.8579, 20.9903, 23.2549



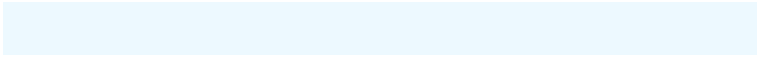
0.0000, 0.0000, 0.0000



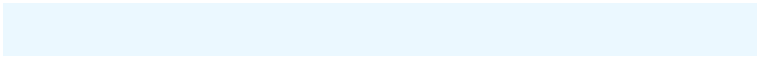
20.3446, 21.4041, 23.3091

Same Dimension

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



86.8531, 92.9797, 107.9770



85.8097, 92.0756, 107.8574



84.2246, 87.7227, 107.1008



18.0153, 19.4022, 23.0454



17.0926, 19.0949, 52.2194



1.7648, 2.0602, 5.1179

Inverse Universe

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



88.6245, 88.6693, 102.0711



87.8092, 87.2380, 101.1850



91.2427, 96.8073, 93.9988



18.5204, 18.1915, 21.3574



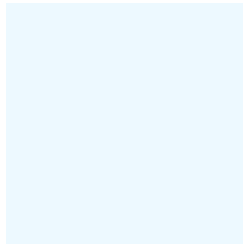
25.4158, 12.6556, 21.3717



2.5254, 1.2525, 2.3481

Previews

White Background



This preview shows how the XYZ color 86.8507, 92.9759, 107.9764 looks on a white background.

Color Contrast Check

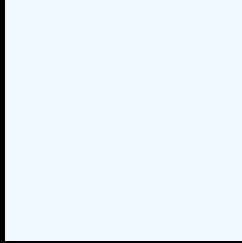
Large Text (above 18pt) WCAG AA × Fail

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 86.8507, 92.9759, 107.9764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

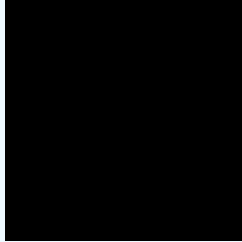
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

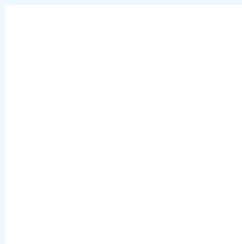
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8507, 92.9759, 107.9764

Background



This preview shows how black text looks on a background with the XYZ color 86.8507, 92.9759, 107.9764.



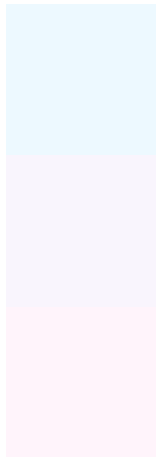
This preview shows how white text looks on a background with the XYZ color 86.8507, 92.9759,

107.9764.

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

86.8507, 92.9759, 107.9764

Protanopia

89.4490, 92.5364, 106.0754

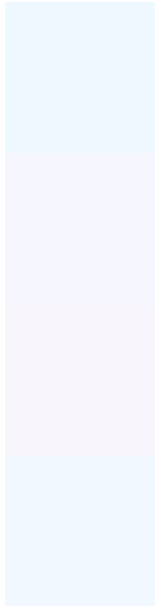
Deuteranopia

91.0033, 92.9264, 104.4070

Tritanopia

88.6190, 92.9746, 107.8829

Trichromacy



Original Color

86.8507, 92.9759, 107.9764

Protanomaly

88.5013, 92.4798, 106.9518

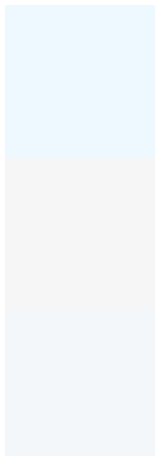
Deuteranomaly

89.2379, 92.8963, 105.3229

Tritanomaly

87.8930, 93.0556, 107.9368

Monochromacy



Original Color

86.8507, 92.9759, 107.9764

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3218, 92.4158, 102.8582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8507, 92.9759, 107.9764 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 255)  
}
```

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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.8507, 92.9759, 107.9764 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, 249, 255) }
```


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

```
.border{ border-color:rgb(237, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 249, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 249, 255); box-shadow:4px 4px 4px 4px rgb(237, 249, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8507, 92.9759, 107.9764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 255) }
```

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

```
.background{ background-color: rgb(237,  
249, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor