

# Converting Colors

XYZ(87.9993, 95.7029,  
114.3774)

Have a look what the booklet for  
XYZ(87.9993, 95.7029, 114.3774)  
contains.

<b>XYZ(86.7705, 95.2594, 108.4214)</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(86.7705, 95.2594,  
108.4214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FEFF
RGB	232, 254, 255
RGB Percent	91%, 100%, 100%
CMY	0.0902, 0.0039, 0.0000
CMYK	0.09, 0.00, 0.00, 0.00
HSL	183°, 100%, 95%
HSV	183°, 9%, 100%
XYZ	86.7705, 95.2594, 108.4214
YIQ	247.5360, -13.4330, -4.3530

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 243, 255
Decimal	15269631
CIE Lab	98.14, -6.93, -2.93
CIE LCh	98, 7.520, 202.919
Yxy	95.2594, 0.2987, 0.3280
Android (android.graphics.Color)	4293459711 (0xFFE8FEFF)
YUV	247.5360, 3.6798, -13.6251
Hunter-Lab	97.6009, -12.1091, 2.4575

# Details

The XYZ color **86.7705, 95.2594, 108.4214** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9437, 85.3621, 88.3450**, and the grayscale version is **88.8253, 93.4512, 101.7683**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0638, 53.2398, 61.1692** is the 20% darker color. If you saturate the color by 10%, you get **78.7378, 90.6031, 107.9460**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



- Red (91%)
- Green (100%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7705, 95.2594, 108.4214 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 86.7705, 95.2594, 108.4214 by changing the saturation by 10% instead.



86.7705, 95.2594,  
108.4214

86.7705, 95.2594,  
108.4214

505.8643,  
544.9951, 608.3439

65.6327, 72.3509,  
82.6960

141.7455,  
154.6229, 174.8354

48.2409, 53.4454,  
61.4002

176.3134,  
191.8467, 216.3610

34.2297, 38.1584,  
44.1156

216.0888,  
234.6111, 263.9904

23.2339, 26.1057,  
30.4235

261.4369,  
283.3004, 318.1422

14.8879, 16.9027,  
19.9055

312.7232,  
338.2991, 379.2349

8.8266, 10.1651,  
12.1430

370.3129,

4.6844, 5.5086,

399.9915, 447.6871

6.7174

434.5715,  
468.7620, 523.9172

■ 2.0962, 2.5487,  
3.2103

■ 0.6871, 0.9009,  
1.2030

■ 86.7705, 95.2594,  
108.4214

■ 86.7705, 95.2594,  
108.4214

■ 78.7378, 90.6031,  
107.9460

95.0500, 100.0000,  
108.9000

■ 71.8542, 86.5394,  
107.5244

■ 66.0669, 83.0439,  
107.1547

■ 61.3161, 80.0858,  
106.8341

■ 57.5363, 77.6311,  
106.5596

■ 54.6547, 75.6425,  
106.3276

■ 52.5879, 74.0769,  
106.1343

■ 51.2372, 72.8834,  
105.9752

■ 50.4566, 71.9867,  
105.8432

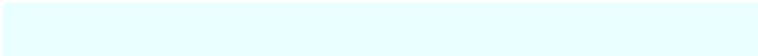
# Harmonies

## Analogous

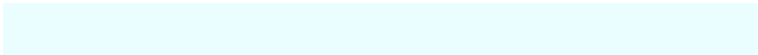
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4830, 95.2594, 102.2624



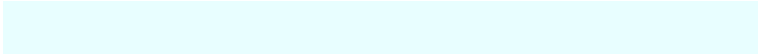
86.7705, 95.2594, 108.4214



88.0607, 95.2594, 113.5001

# Triad

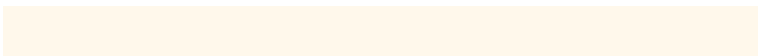
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7705, 95.2594, 108.4214



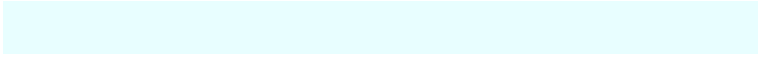
93.8942, 95.2594, 111.0575



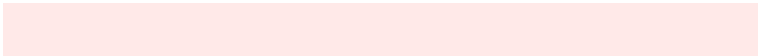
91.0540, 95.2594, 92.3626

# Complementary

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



86.7705, 95.2594, 108.4214



84.9437, 85.3621, 88.3450

# 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.



93.0678, 95.2594, 94.5209



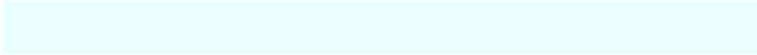
86.7705, 95.2594, 108.4214



94.7244, 95.2594, 105.1940

# Square

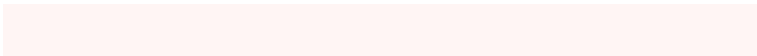
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



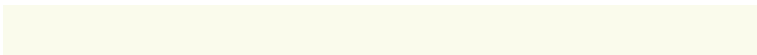
86.7705, 95.2594, 108.4214



92.1678, 95.2594, 115.0638



94.4196, 95.2594, 99.1590

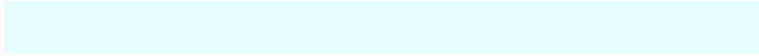


88.9339, 95.2594, 93.1498

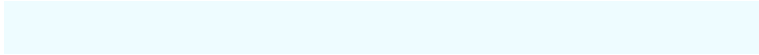


# Rectangle

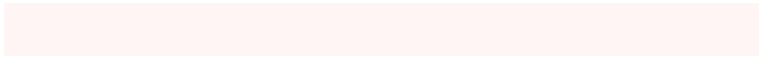
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7705, 95.2594, 108.4214



89.3271, 95.2594, 115.5083



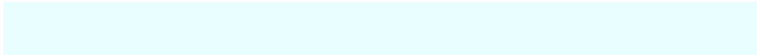
94.4196, 95.2594, 99.1590



91.7662, 95.2594, 92.7647

# Sweetspot

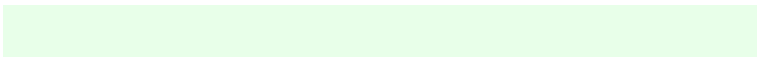
The Sweet Spot groups the original color and five complimentary colors.



86.7729, 95.2633, 108.4220



92.1859, 98.3670, 108.7358



83.7143, 94.5461, 90.7546



19.5718, 20.9632, 23.2647



0.0000, 0.0000, 0.0000

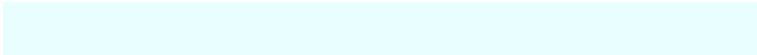


20.3446, 21.4041, 23.3091

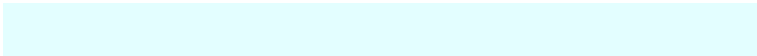


# Same Dimension

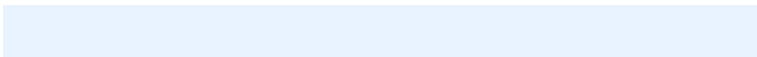
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7729, 95.2633, 108.4220



85.0871, 94.2913, 108.3232



83.3005, 88.3185, 107.2645



18.4836, 20.3388, 23.2015



26.3609, 37.6314, 55.3088



2.5867, 3.7041, 5.3919



# Inverse Universe

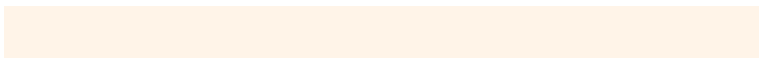
The Inverse Universe completely reimagines the original color for something new.



87.9875, 86.1305, 105.7580



86.5507, 83.3129, 105.1066



88.2370, 91.9488, 89.4428



18.7567, 18.2860, 22.6021



30.0940, 14.5269, 46.0068

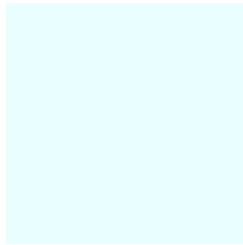


2.9403, 1.4185, 4.5328



# Previews

## White Background



This preview shows how the XYZ color 86.7705, 95.2594, 108.4214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

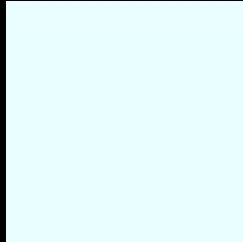
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.7705, 95.2594, 108.4214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

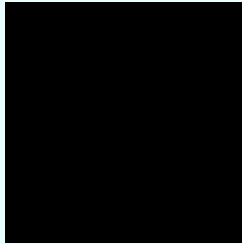
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.7705, 95.2594, 108.4214

## Background



This preview shows how black text looks on a background with the XYZ color 86.7705, 95.2594, 108.4214.



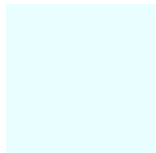
This preview shows how white text looks on a background with the XYZ color 86.7705, 95.2594,



# 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

86.7705, 95.2594, 108.4214



### Protanopia

91.6461, 95.0457, 105.6109

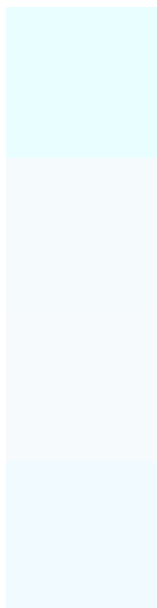
### Deuteranopia

92.0715, 94.8098, 105.5429

## **Tritanopia**

90.2416, 95.1840, 108.2239

# Trichromacy



## Original Color

86.7705, 95.2594, 108.4214

## Protanomaly

89.5714, 94.8755, 106.5204

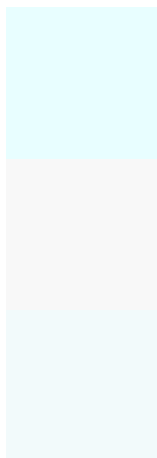
## Deuteranomaly

90.2730, 95.2372, 106.5532

## Tritanomaly

88.8228, 94.9151, 108.2467

# Monochromacy



## Original Color

86.7705, 95.2594, 108.4214

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.2161, 94.2135, 104.8023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.7705, 95.2594, 108.4214 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(232, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 254, 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(232, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.7705, 95.2594, 108.4214 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(232, 254, 255) }
```



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

```
.border{ border-color:rgb(232, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.7705, 95.2594, 108.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 254, 255) }
```

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

```
.background{ background-color: rgb(232,  
254, 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](#).

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