

# Converting Colors

XYZ(84.5826, 93.0493,  
107.7948)

Have a look what the booklet for  
XYZ(84.5826, 93.0493, 107.7948)  
contains.

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# **Color**

**XYZ(84.8553, 93.3348,  
108.1508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FCFF
RGB	228, 252, 255
RGB Percent	89%, 99%, 100%
CMY	0.1059, 0.0117, 0.0000
CMYK	0.11, 0.01, 0.00, 0.00
HSL	187°, 100%, 95%
HSV	187°, 11%, 100%
XYZ	84.8553, 93.3348, 108.1508
YIQ	245.1660, -15.2670, -4.1550

# Conversions

## Conversions Part 2

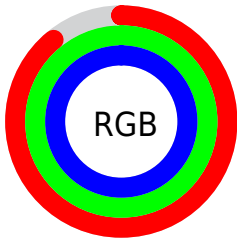
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 241, 255
Decimal	15006975
CIE Lab	97.36, -7.19, -4.10
CIE LCh	97, 8.272, 209.687
Yxy	93.3348, 0.2963, 0.3260
Android (android.graphics.Color)	4293197055 (0xFFE4FCFF)
YUV	245.1660, 4.8482, -15.0546
Hunter-Lab	96.6099, -12.2857, 1.2543

# Details

The XYZ color **84.8553, 93.3348, 108.1508** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8188, 84.0115, 85.1984**, and the grayscale version is **86.8977, 91.4232, 99.5598**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7214, 51.8781, 60.9771** is the 20% darker color. If you saturate the color by 10%, you get **76.4737, 87.7077, 107.5064**, and if you desaturate by 10%, it is **94.4481, 99.6111, 108.8567**.

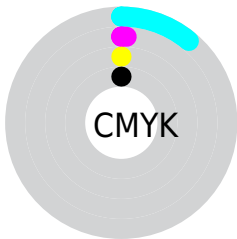
# Distribution



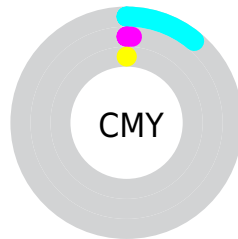
- Red (89%)
- Green (99%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8553, 93.3348, 108.1508 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 84.8553, 93.3348, 108.1508 by changing the saturation by 10% instead.




 84.8553, 93.3348,  
108.1508

 84.8553, 93.3348,  
108.1508


499.6400,  
538.8202, 607.4891

 64.0439, 70.7498,  
82.4701

139.0861,  
151.9620, 174.4632

 46.9481, 52.1380,  
61.2150


173.2362,  
188.7731, 215.9320

 33.2024, 37.1151,  
43.9671

212.5632,  
231.0950, 263.5006

 22.4415, 25.2966,  
30.3076

257.4325,  
279.3120, 317.5875

 14.3001, 16.2982,  
19.8182

308.2095,  
333.8087, 378.6112

 8.4128, 9.7354,  
12.0802

365.2595,

 4.4142, 5.2239,

394.9693, 446.9904

6.6751

428.9479,  
463.1784, 523.1435

■ 1.9390, 2.3792,  
3.1844

■ 0.5994, 0.8152,  
1.1895

■ 84.8553, 93.3348,  
108.1508

■ 84.8553, 93.3348,  
108.1508

■ 76.4737, 87.7077,  
107.5064

94.4481, 99.6111,  
108.8567

■ 69.2439, 82.6913,  
106.9192

95.0500, 100.0000,  
108.9000

■ 63.1125, 78.2606,  
106.3872

■ 58.0187, 74.3843,  
105.9074

■ 53.8961, 71.0278,  
105.4769

■ 50.6703, 68.1529,  
105.0920

■ 48.2559, 65.7154,  
104.7487

■ 46.5510, 63.6627,  
104.4424

■ 45.4416, 62.0033,  
104.1805

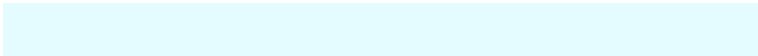
# Harmonies

## Analogous

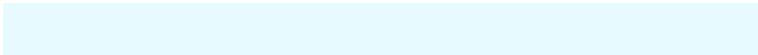
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2826, 93.3348, 101.5553



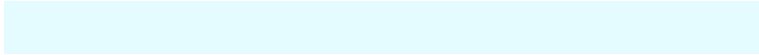
84.8553, 93.3348, 108.1508



86.4574, 93.3348, 113.1763

# Triad

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



84.8553, 93.3348, 108.1508



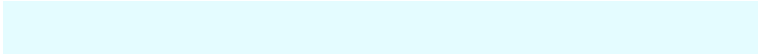
92.6583, 93.3348, 108.2781



88.7365, 93.3348, 89.2616

# Complementary

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



84.8553, 93.3348, 108.1508



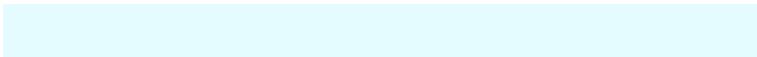
83.8188, 84.0115, 85.1984

# 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.



91.0053, 93.3348, 90.8891



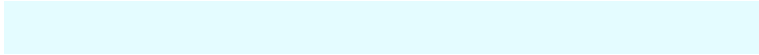
84.8553, 93.3348, 108.1508



93.2938, 93.3348, 101.6962

# Square

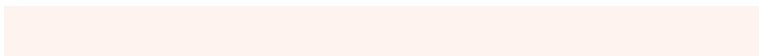
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8553, 93.3348, 108.1508



90.9620, 93.3348, 113.2520



92.6837, 93.3348, 95.3685

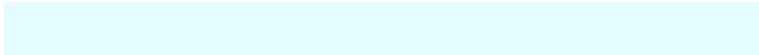


86.4993, 93.3348, 90.8237

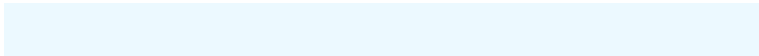


# Rectangle

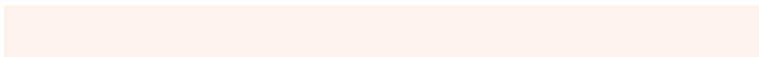
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8553, 93.3348, 108.1508



87.9078, 93.3348, 114.8558



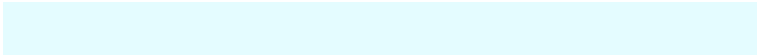
92.6837, 93.3348, 95.3685



89.5209, 93.3348, 89.4527

# Sweetspot

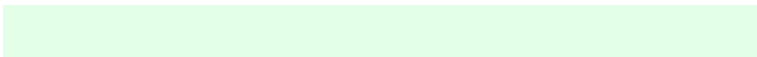
The Sweet Spot groups the original color and five complimentary colors.



84.8577, 93.3386, 108.1514



92.0212, 98.0377, 108.6809



82.1373, 93.7670, 89.1505



19.5271, 20.8740, 23.2498



0.0000, 0.0000, 0.0000

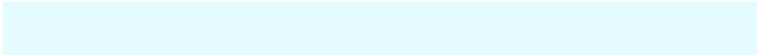


20.3446, 21.4041, 23.3091

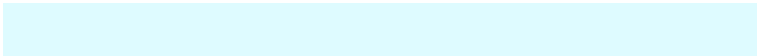


# Same Dimension

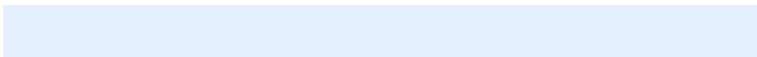
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8577, 93.3386, 108.1514



82.7265, 91.9224, 107.9904



80.8539, 85.3310, 106.8168



18.3727, 20.1170, 23.1646



23.8133, 32.5361, 54.4596



2.3656, 3.2620, 5.3182



# Inverse Universe

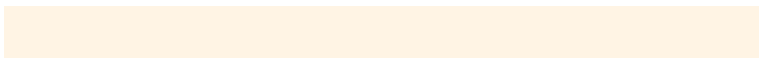
The Inverse Universe completely reimagines the original color for something new.



86.5555, 83.7766, 103.7086



84.7850, 80.4083, 102.5858



87.6550, 91.6839, 86.4772



18.7008, 18.2636, 22.3073



28.8080, 14.0125, 39.2351

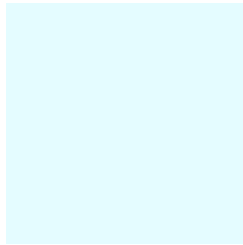


2.8287, 1.3738, 3.9451



# Previews

## White Background



This preview shows how the XYZ color 84.8553, 93.3348, 108.1508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

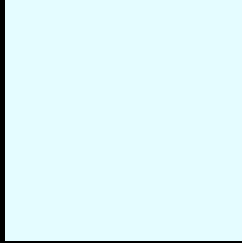
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8553, 93.3348, 108.1508 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 84.8553, 93.3348, 108.1508

## Background



This preview shows how black text looks on a background with the XYZ color 84.8553, 93.3348, 108.1508.



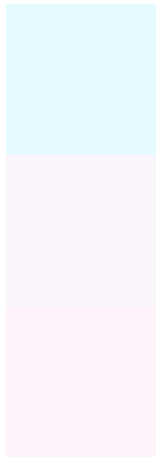
This preview shows how white text looks on a background with the XYZ color 84.8553, 93.3348,



# 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

84.8553, 93.3348, 108.1508

### Protanopia

89.7927, 93.2006, 104.5237

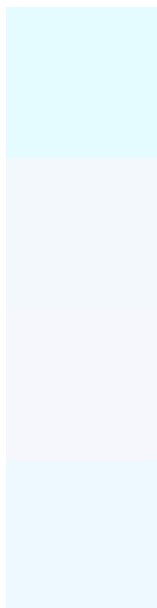
### Deuteranopia

91.0033, 92.9264, 104.4070

## **Tritanopia**

88.2354, 93.2320, 107.9528

# Trichromacy



## Original Color

84.8553, 93.3348, 108.1508

## Protanomaly

87.7560, 93.0403, 105.4288

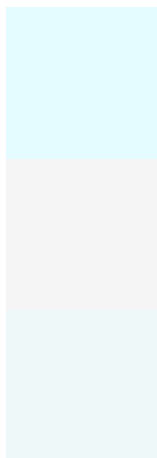
## Deuteranomaly

88.4876, 92.9623, 105.3752

## Tritanomaly

86.8507, 92.9759, 107.9764

# Monochromacy



## Original Color

84.8553, 93.3348, 108.1508

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.2629, 92.3251, 102.8965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8553, 93.3348, 108.1508 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(228, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 252, 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(228, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8553, 93.3348, 108.1508 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(228, 252, 255) }
```



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

```
.border{ border-color:rgb(228, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(228, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8553, 93.3348, 108.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 252, 255) }
```

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

```
.background{ background-color: rgb(228,  
252, 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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