

# Converting Colors

XYZ(85.1990, 90.8525,  
107.6536)

Have a look what the booklet for  
XYZ(85.1990, 90.8525, 107.6536)  
contains.

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# Color

**XYZ(85.2667, 90.7937,  
107.6386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF6FF
RGB	235, 246, 255
RGB Percent	92%, 96%, 100%
CMY	0.0784, 0.0353, 0.0000
CMYK	0.08, 0.04, 0.00, 0.00
HSL	207°, 100%, 96%
HSV	207°, 8%, 100%
XYZ	85.2667, 90.7937, 107.6386
YIQ	243.7370, -9.4450, 0.4670

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 242, 255
Decimal	15464191
CIE Lab	96.33, -1.93, -5.57
CIE LCh	96, 5.897, 250.857
Yxy	90.7937, 0.3006, 0.3200
Android (android.graphics.Color)	4293654271 (0xFFE6FF)
YUV	243.7370, 5.5527, -7.6623
Hunter-Lab	95.2857, -7.0188, -0.2764

# Details

The XYZ color **85.2667, 90.7937, 107.6386** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5853, 91.9575, 91.6794**, and the grayscale version is **85.7434, 90.2087, 98.2373**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1969, 50.4878, 60.6837** is the 20% darker color. If you saturate the color by 10%, you get **74.0626, 80.0003, 106.1458**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



- Red (92%)
- Green (96%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2667, 90.7937, 107.6386 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 85.2667, 90.7937, 107.6386 by changing the saturation by 10% instead.



85.2667, 90.7937,  
107.6386

85.2667, 90.7937,  
107.6386

500.9805,  
530.6094, 605.8695

64.3850, 68.6391,  
82.0427

139.6578,  
148.4404, 173.7585

47.2254, 50.4179,  
60.8647

173.8980,  
184.7013, 215.1196

33.4226, 35.7455,  
43.6861

213.3217,  
226.4331, 262.5728

22.6112, 24.2377,  
30.0884

258.2943,  
274.0202, 316.5366

14.4258, 15.5101,  
19.6531

309.1811,  
327.8470, 377.4297

8.5011, 9.1781,  
11.9616

366.3475,

4.4717, 4.8576,

388.2978, 445.6705

6.5953

430.1589,  
455.7571, 521.6776

■ 1.9723, 2.1639,  
3.1357

■ 0.6183, 0.7002,  
1.1644

■ 85.2667, 90.7937,  
107.6386

■ 85.2667, 90.7937,  
107.6386

■ 74.0626, 80.0003,  
106.1458

95.0500, 100.0000,  
108.9000

■ 64.2233, 70.2220,  
104.7770

■ 55.6927, 61.4265,  
103.5289

■ 48.4074, 53.5752,  
102.3974

■ 42.2985, 46.6262,  
101.3781

■ 37.2898, 40.5338,  
100.4662

■ 33.2949, 35.2468,  
99.6562

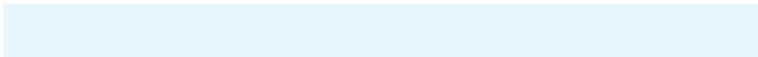
■ 30.2126, 30.7062,  
98.9423

■ 27.9090, 26.8357,  
98.3166

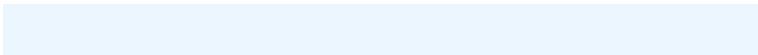
# Harmonies

## Analogous

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



83.9335, 90.7937, 104.8854



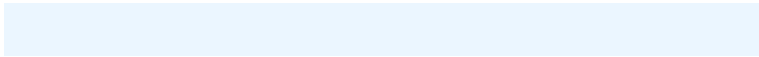
85.2667, 90.7937, 107.6386



86.8920, 90.7937, 107.9965

# Triad

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



85.2667, 90.7937, 107.6386



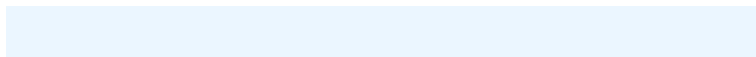
89.4309, 90.7937, 97.1675



84.2502, 90.7937, 92.1842

# Complementary

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



85.2667, 90.7937, 107.6386



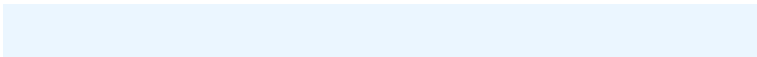
88.5853, 91.9575, 91.6794

# Split Complementary

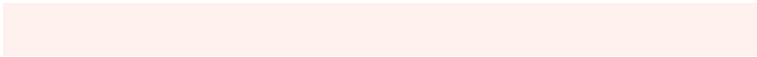
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7041, 90.7937, 90.2519



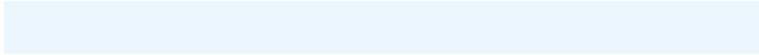
85.2667, 90.7937, 107.6386



88.7038, 90.7937, 93.0678

# Square

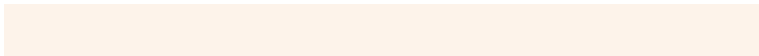
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



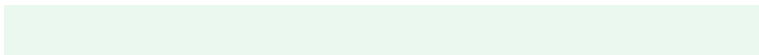
85.2667, 90.7937, 107.6386



89.3102, 90.7937, 101.8502



87.3349, 90.7937, 90.5701

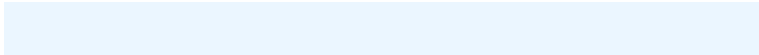


83.3517, 90.7937, 95.9268



# Rectangle

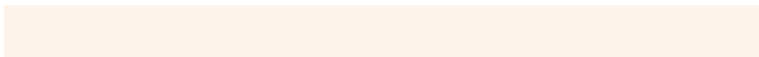
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2667, 90.7937, 107.6386



87.9242, 90.7937, 106.8163



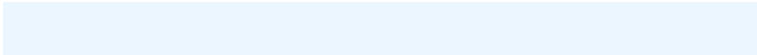
87.3349, 90.7937, 90.5701



84.6894, 90.7937, 91.3069

# Sweetspot

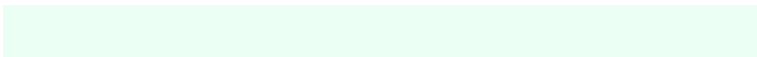
The Sweet Spot groups the original color and five complimentary colors.



85.2691, 90.7974, 107.6392



92.4711, 97.5907, 108.5709



86.3003, 95.6940, 99.2460



19.8197, 20.9138, 23.2421



0.0000, 0.0000, 0.0000

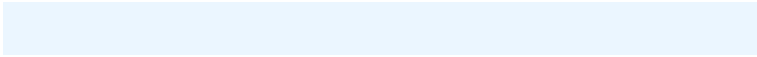


20.3446, 21.4041, 23.3091

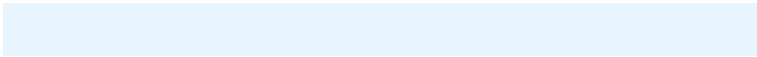


# Same Dimension

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



85.2691, 90.7974, 107.6392



83.9000, 89.4942, 107.4599



82.4037, 85.0666, 106.6841



17.8316, 19.0348, 22.9842



14.5068, 13.9231, 51.3574



1.5216, 1.5739, 5.0369



# Inverse Universe

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



87.5843, 87.3320, 99.4338



86.5430, 85.5743, 98.0848



91.5718, 97.9306, 92.6749



18.4277, 18.1544, 20.8692



24.1105, 12.1335, 14.4985

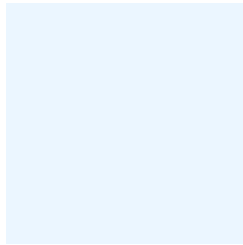


2.4027, 1.2034, 1.7018



# Previews

## White Background



This preview shows how the XYZ color 85.2667, 90.7937, 107.6386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

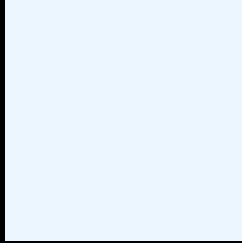
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.2667, 90.7937, 107.6386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

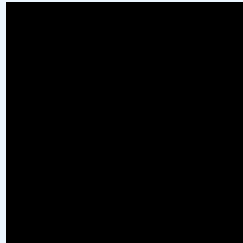
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

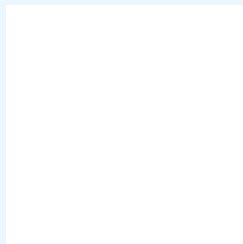
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.2667, 90.7937, 107.6386

## Background



This preview shows how black text looks on a background with the XYZ color 85.2667, 90.7937, 107.6386.



This preview shows how white text looks on a background with the XYZ color 85.2667, 90.7937,

107.6386.

# 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

85.2667, 90.7937, 107.6386

### Protanopia

87.7863, 90.7859, 105.8251

### Deuteranopia

89.9708, 90.6085, 104.8427



## Tritanopia

86.3359, 90.4466, 107.5153

# Trichromacy



## Original Color

85.2667, 90.7937, 107.6386

## Protanomaly

86.8580, 90.7344, 106.7015

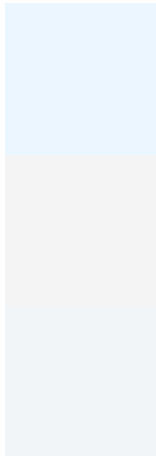
## Deuteranomaly

88.1932, 90.5526, 105.7586

## Tritanomaly

85.9623, 90.7020, 107.5843

# Monochromacy



## Original Color

85.2667, 90.7937, 107.6386

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.8713, 90.7829, 101.8039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.2667, 90.7937, 107.6386 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(235, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 246, 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(235, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.2667, 90.7937, 107.6386 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(235, 246, 255) }
```



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

```
.border{ border-color:rgb(235, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.2667, 90.7937, 107.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 246, 255) }
```

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

```
.background{ background-color: rgb(235,  
246, 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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