

# Converting Colors

XYZ(97.7138, 96.0267,  
174.0007)

Have a look what the booklet for  
XYZ(97.7138, 96.0267, 174.0007)  
contains.

<b>XYZ(85.2424, 91.2340, 107.7249)</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(85.2424, 91.2340,  
107.7249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF7FF
RGB	234, 247, 255
RGB Percent	92%, 97%, 100%
CMY	0.0823, 0.0314, 0.0000
CMYK	0.08, 0.03, 0.00, 0.00
HSL	203°, 100%, 96%
HSV	203°, 8%, 100%
XYZ	85.2424, 91.2340, 107.7249
YIQ	244.0250, -10.3160, -0.2680

# Conversions

## Conversions Part 2

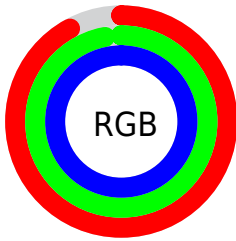
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 242, 255
Decimal	15398911
CIE Lab	96.51, -2.76, -5.31
CIE LCh	97, 5.987, 242.535
Yxy	91.2340, 0.2999, 0.3210
Android (android.graphics.Color)	4293588991 (0xFFEAF7FF)
YUV	244.0250, 5.4107, -8.7919
Hunter-Lab	95.5165, -7.8539, -0.0066

# Details

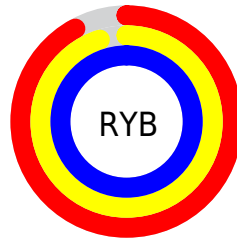
The XYZ color **85.2424, 91.2340, 107.7249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8425, 90.7025, 90.7208**, and the grayscale version is **85.9752, 90.4526, 98.5028**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1839, 50.8038, 60.7453** is the 20% darker color. If you saturate the color by 10%, you get **74.5741, 81.4435, 106.3974**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

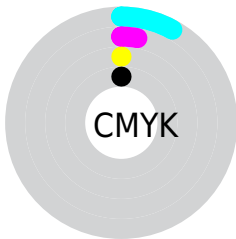
# Distribution



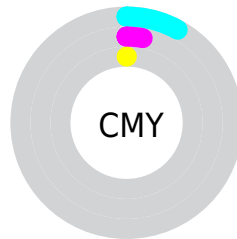
- Red (92%)
- Green (97%)
- Blue (100%)



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



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2424, 91.2340, 107.7249 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 85.2424, 91.2340, 107.7249 by changing the saturation by 10% instead.



85.2424, 91.2340,  
107.7249

85.2424, 91.2340,  
107.7249

500.9014,  
532.0369, 606.1425

64.3649, 69.0046,  
82.1147

139.6241,  
149.0513, 173.8773

47.2090, 50.7154,  
60.9237

173.8589,  
185.4079, 215.2565

33.4096, 35.9822,  
43.7334

213.2769,  
227.2425, 262.7292

22.6011, 24.4204,  
30.1253

258.2434,  
274.9393, 316.7138

14.4183, 15.6458,  
19.6809

309.1237,  
328.8827, 377.6289

8.4958, 9.2739,  
11.9815

366.2833,

4.4683, 4.9202,

389.4572, 445.8930

6.6087

430.0874,  
457.0471, 521.9247

■ 1.9703, 2.2005,  
3.1439

■ 0.6172, 0.7203,  
1.1686

■ 85.2424, 91.2340,  
107.7249

■ 85.2424, 91.2340,  
107.7249

■ 74.5741, 81.4435,  
106.3974

95.0500, 100.0000,  
108.9000

■ 65.2094, 72.5486,  
105.1741

■ 57.0933, 64.5199,  
104.0522

■ 50.1641, 57.3218,  
103.0280

■ 44.3542, 50.9160,  
102.0978

■ 39.5888, 45.2600,  
101.2572

■ 35.7830, 40.3061,  
100.5016

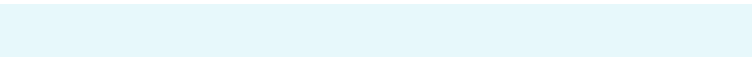
■ 32.8368, 35.9987,  
99.8255

■ 30.6135, 32.2633,  
99.2217

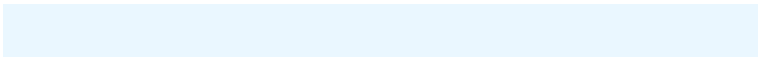
# Harmonies

## Analogous

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



84.0357, 91.2340, 104.3675



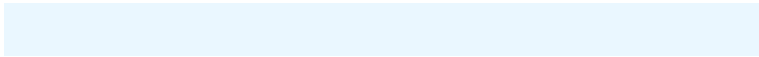
85.2424, 91.2340, 107.7249



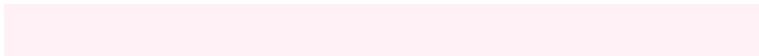
86.8573, 91.2340, 108.8132

# Triad

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



85.2424, 91.2340, 107.7249



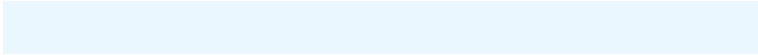
89.9633, 91.2340, 98.9321



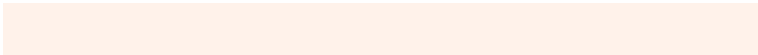
84.9994, 91.2340, 91.7841

# Complementary

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



85.2424, 91.2340, 107.7249



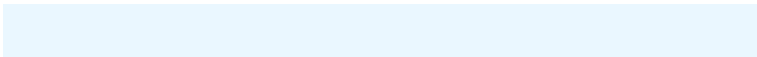
87.8425, 90.7025, 90.7208

# Split Complementary

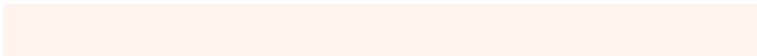
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5732, 91.2340, 90.4300



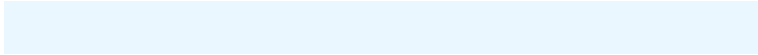
85.2424, 91.2340, 107.7249



89.4510, 91.2340, 94.4733

# Square

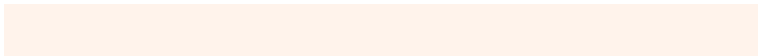
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2424, 91.2340, 107.7249



89.5961, 91.2340, 103.6410



88.2048, 91.2340, 91.3987

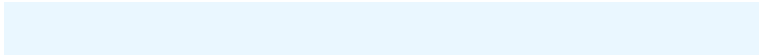


83.8967, 91.2340, 95.1564



# Rectangle

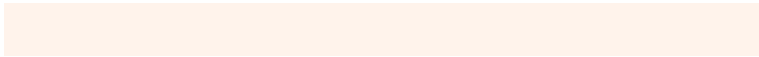
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



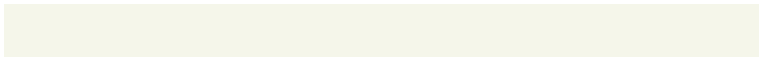
85.2424, 91.2340, 107.7249



87.9518, 91.2340, 108.0782



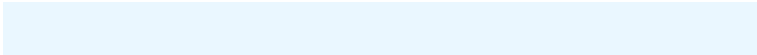
88.2048, 91.2340, 91.3987



85.4902, 91.2340, 91.0828

# Sweetspot

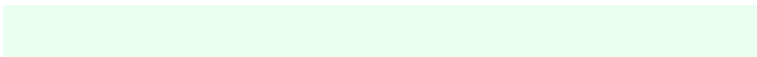
The Sweet Spot groups the original color and five complimentary colors.



85.2448, 91.2377, 107.7255



92.5822, 97.8129, 108.6079



85.6744, 95.4056, 97.6688



19.8423, 20.9590, 23.2496



0.0000, 0.0000, 0.0000

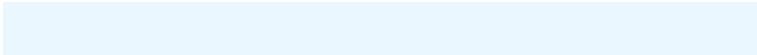


20.3446, 21.4041, 23.3091

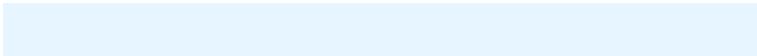


# Same Dimension

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



85.2448, 91.2377, 107.7255



83.2636, 89.4419, 107.4833



82.2090, 85.1662, 106.7136



17.9400, 19.2515, 23.0203



15.9617, 16.8330, 51.8424



1.6597, 1.8501, 5.0829



# Inverse Universe

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



87.4527, 86.8224, 100.1494



85.9239, 84.1861, 98.3408



90.9649, 96.9473, 91.7616



18.4823, 18.1762, 21.1571



24.8449, 12.4273, 18.3658

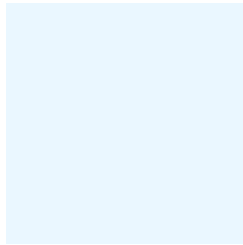


2.4723, 1.2313, 2.0687



# Previews

## White Background



This preview shows how the XYZ color 85.2424, 91.2340, 107.7249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

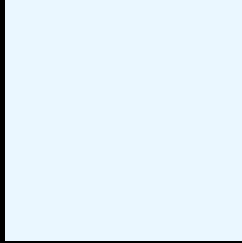
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.2424, 91.2340, 107.7249 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

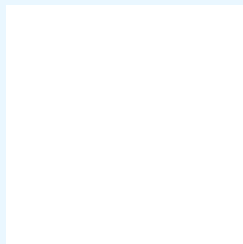
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.2424, 91.2340, 107.7249**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.2424, 91.2340, 107.7249.



This preview shows how white text looks on a background with the XYZ color 85.2424, 91.2340,



# 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

85.2424, 91.2340, 107.7249

### Protanopia

88.1380, 90.9672, 105.8416

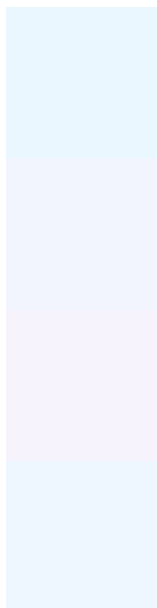
### Deuteranopia

90.2660, 91.1989, 104.9411

## **Tritanopia**

86.6376, 91.0501, 107.6159

# Trichromacy



## Original Color

85.2424, 91.2340, 107.7249

## Protanomaly

86.8580, 90.7344, 106.7015

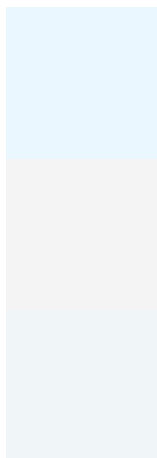
## Deuteranomaly

88.1380, 90.9672, 105.8416

## Tritanomaly

86.2657, 91.3087, 107.6854

# Monochromacy



## Original Color

85.2424, 91.2340, 107.7249

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.5309, 90.6074, 101.7880

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.2424, 91.2340, 107.7249 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(234, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 247, 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(234, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.2424, 91.2340, 107.7249 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(234, 247, 255) }
```



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

```
.border{ border-color:rgb(234, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.2424, 91.2340, 107.7249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 247, 255) }
```

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

```
.background{ background-color: rgb(234,  
247, 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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