

# Converting Colors

XYZ(75.3053, 87.3935, 90.7415)

Have a look what the booklet for  
XYZ(75.3053, 87.3935, 90.7415)  
contains.

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# Color

**XYZ(75.3053, 87.3935,  
90.7415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F9EA
RGB	210, 249, 234
RGB Percent	82%, 98%, 92%
CMY	0.1765, 0.0235, 0.0823
CMYK	0.16, 0.00, 0.06, 0.02
HSL	157°, 76%, 90%
HSV	157°, 16%, 98%
XYZ	75.3053, 87.3935, 90.7415
YIQ	235.6290, -18.4290, -12.9330

# Conversions

## Conversions Part 2

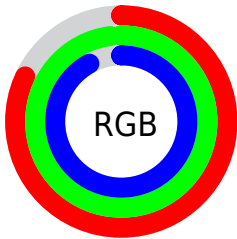
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 234, 249
Decimal	13826538
CIE <sub>Lab</sub>	94.90, -15.37, 3.00
CIE <sub>LCh</sub>	95, 15.665, 168.943
Yxy	87.3935, 0.2971, 0.3448
Android (android.graphics.Color)	4292016618 (0xFFD2F9EA)
YUV	235.6290, -0.8031, -22.4766
Hunter-Lab	93.4845, -19.8093, 7.8888

# Details

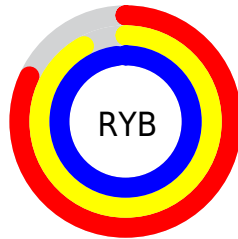
The XYZ color **75.3053, 87.3935, 90.7415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7072, 71.6714, 81.0818**, and the grayscale version is **79.4632, 83.6015, 91.0420**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6234, 48.3228, 49.3056** is the 20% darker color. If you saturate the color by 10%, you get **67.4214, 83.4863, 83.3833**, and if you desaturate by 10%, it is **84.3715, 91.9064, 98.5471**.

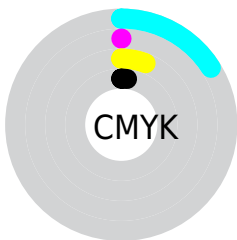
# Distribution



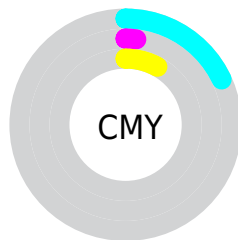
- Red (82%)
- Green (98%)
- Blue (92%)



- Red (82%)
- Yellow (92%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3053, 87.3935, 90.7415 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 75.3053, 87.3935, 90.7415 by changing the saturation by 10% instead.




 75.3053, 87.3935,  
90.7415

 75.3053, 87.3935,  
90.7415


467.9473,  
519.5150, 551.0722

 56.1581, 65.8209,  
68.0186


125.7300,  
143.7125, 150.3124

 40.5672, 48.1270,  
49.4461

157.7383,  
179.2277, 187.9976

 28.1672, 33.9275,  
34.6054


194.7642,  
220.1591, 231.5073

 18.5929, 22.8379,  
23.0780

237.1733,  
266.8913, 281.2600

 11.4787, 14.4739,  
14.4452

285.3307,  
319.8086, 337.6743

 6.4594, 8.4510,  
8.2887

339.6020,

 3.1697, 4.3848,

379.2954, 401.1688

4.1898

400.3524,  
445.7361, 472.1619

■ 1.2441, 1.8911,  
1.7300

■ 0.1408, 0.5430,  
0.3812

■ 75.3053, 87.3935,  
90.7415

■ 75.3053, 87.3935,  
90.7415

■ 67.4214, 83.4863,  
83.3833

■ 84.3715, 91.9064,  
98.5471

■ 60.6605, 80.1472,  
76.4582

■ 92.8723, 96.1166,  
106.7187

■ 54.9690, 77.3511,  
69.9593

■ 93.1673, 96.2346,  
108.2724

■ 50.2859, 75.0666,  
63.8773

■ 46.5436, 73.2592,  
58.2025

■ 43.6663, 71.8897,  
52.9247

■ 41.5650, 70.9125,  
48.0327

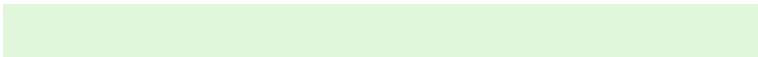
■ 40.1304, 70.2715,  
43.5144

■ 39.6453, 70.0618,  
41.6660

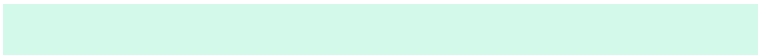
# Harmonies

## Analogous

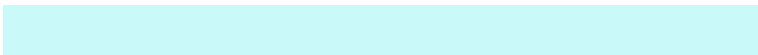
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0580, 87.3935, 80.6074



75.3053, 87.3935, 90.7415



75.5779, 87.3935, 102.9526

# Triad

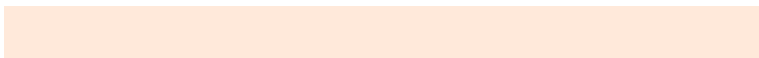
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3053, 87.3935, 90.7415



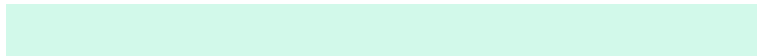
85.7442, 87.3935, 119.0358



88.5448, 87.3935, 78.5883

# Complementary

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



75.3053, 87.3935, 90.7415



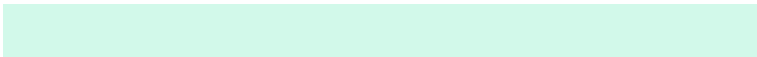
75.7072, 71.6714, 81.0818

# 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.



91.0307, 87.3935, 87.7645



75.3053, 87.3935, 90.7415



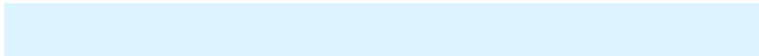
89.3761, 87.3935, 111.3590

# Square

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



75.3053, 87.3935, 90.7415



81.5086, 87.3935, 120.0049



91.3400, 87.3935, 99.7128

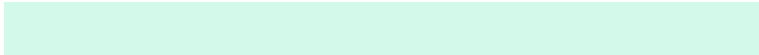


84.6409, 87.3935, 73.9995

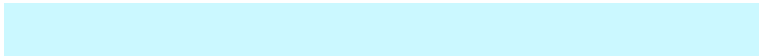


# Rectangle

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



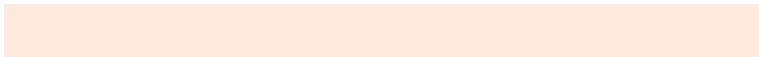
75.3053, 87.3935, 90.7415



76.8740, 87.3935, 110.6267



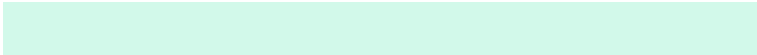
91.3400, 87.3935, 99.7128



89.5796, 87.3935, 81.2005

# Sweetspot

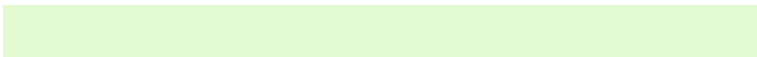
The Sweet Spot groups the original color and five complimentary colors.



75.3078, 87.3972, 90.7434



89.7341, 97.3496, 104.5818



76.7502, 88.5125, 74.0135



19.0525, 20.7600, 22.2570



0.0000, 0.0000, 0.0000

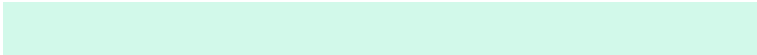


20.3446, 21.4041, 23.3091

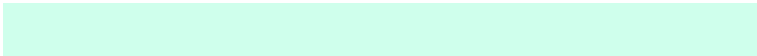


# Same Dimension

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



75.3078, 87.3972, 90.7434



76.5596, 90.7979, 93.1240



76.3628, 85.9101, 102.1844



17.4663, 19.4888, 20.6561



21.2921, 37.5298, 22.6791



2.0238, 3.4966, 2.3732



# Inverse Universe

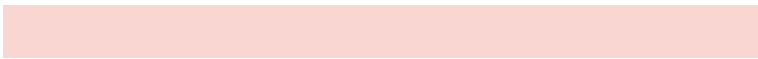
The Inverse Universe completely reimagines the original color for something new.



75.7072, 71.6714, 81.0818



77.0601, 71.1144, 81.0332



74.7238, 72.8377, 71.0948



17.5209, 17.3357, 19.3330



22.1009, 11.2561, 7.2397



2.0969, 1.0625, 0.9339



# Previews

## White Background



This preview shows how the XYZ color 75.3053, 87.3935, 90.7415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

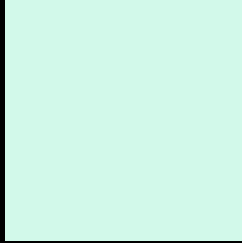
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3053, 87.3935, 90.7415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

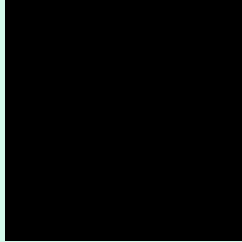
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

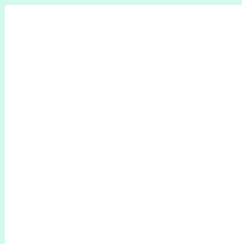
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.3053, 87.3935, 90.7415

## Background



This preview shows how black text looks on a background with the XYZ color 75.3053, 87.3935, 90.7415.



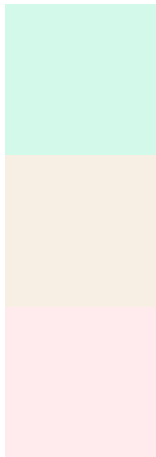
This preview shows how white text looks on a background with the XYZ color 75.3053, 87.3935,

90.7415.

# 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

75.3053, 87.3935, 90.7415

### Protanopia

83.2279, 87.1086, 85.8258

### Deuteranopia

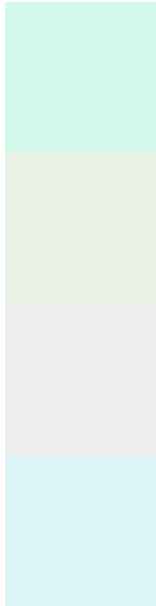
86.3809, 86.8497, 93.0998



## **Tritanopia**

81.1519, 87.3287, 107.1867

# Trichromacy



## Original Color

75.3053, 87.3935, 90.7415

## Protanomaly

80.2652, 87.3068, 87.4844

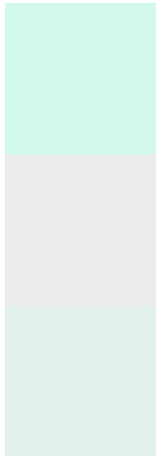
## Deuteranomaly

82.0428, 86.7853, 92.5479

## Tritanomaly

78.9561, 87.2359, 100.6725

# Monochromacy



## Original Color

75.3053, 87.3935, 90.7415

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.1292, 85.2396, 90.9323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3053, 87.3935, 90.7415 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(210, 249, 234)` looks like.

```
.text, #text, p{  
    color:rgb(210, 249, 234)  
}
```

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(210, 249, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 249, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3053, 87.3935, 90.7415 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(210, 249, 234) }
```



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

```
.border{ border-color:rgb(210, 249, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 249, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 249, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 249, 234);  
box-shadow:4px 4px 4px 4px rgb(210, 249,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3053, 87.3935, 90.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 249, 234) }
```

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

```
.background{ background-color: rgb(210,  
249, 234) }
```

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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