

# Converting Colors

XYZ(75.5746, 86.2647, 86.0663)

Have a look what the booklet for  
XYZ(75.5746, 86.2647, 86.0663)  
contains.

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# Color

**XYZ(75.5746, 86.2647,  
86.0663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F6E4
RGB	217, 246, 228
RGB Percent	85%, 96%, 89%
CMY	0.1490, 0.0353, 0.1059
CMYK	0.12, 0.00, 0.07, 0.04
HSL	143°, 62%, 91%
HSV	143°, 12%, 96%
XYZ	75.5746, 86.2647, 86.0663
YIQ	235.2770, -11.5060, -11.7460

# Conversions

## Conversions Part 2

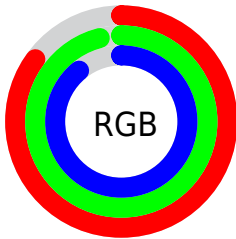
Format	Color
R <sub>Y</sub> B	217, 238, 246
Decimal	14284516
CIE Lab	94.43, -12.76, 5.47
CIE LCh	94, 13.879, 156.802
Yxy	86.2647, 0.3049, 0.3480
Android (android.graphics.Color)	4292474596 (0xFFD9F6E4)
YUV	235.2770, -3.5876, -16.0289
Hunter-Lab	92.8788, -17.2941, 10.0740

# Details

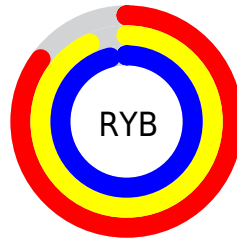
The XYZ color **75.5746, 86.2647, 86.0663** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8174, 75.2188, 89.0185**, and the grayscale version is **79.2114, 83.3366, 90.7535**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8566, 47.5254, 46.5551** is the 20% darker color. If you saturate the color by 10%, you get **66.7735, 81.9642, 75.0735**, and if you desaturate by 10%, it is **85.6578, 91.2093, 98.1002**.

# Distribution



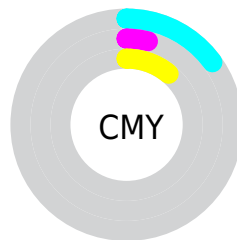
- Red (85%)
- Green (96%)
- Blue (89%)



- Red (85%)
- Yellow (93%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (15%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5746, 86.2647, 86.0663 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 75.5746, 86.2647, 86.0663 by changing the saturation by 10% instead.



75.5746, 86.2647,  
86.0663

75.5746, 86.2647,  
86.0663

468.8570,  
515.8036, 535.3861

56.3796, 64.8869,  
64.1676

126.1090,  
142.1388, 143.7494

40.7455, 47.3694,  
46.3394

158.1790,  
177.4039, 180.3708

28.3071, 33.3277,  
32.1631

195.2715,  
218.0669, 222.7369

18.6989, 22.3776,  
21.2203

237.7517,  
264.5121, 271.2662

11.5556, 14.1346,  
13.0923

285.9850,  
317.1240, 326.3772

6.5119, 8.2144,  
7.3607

340.3367,

3.2024, 4.2324,

376.2869, 388.4885

3.6068

401.1723,  
442.3854, 458.0186

■ 1.2617, 1.8044,  
1.4122

■ 0.1542, 0.4899,  
0.1512

■ 75.5746, 86.2647,  
86.0663

■ 75.5746, 86.2647,  
86.0663

■ 66.7735, 81.9642,  
75.0735

■ 85.6578, 91.2093,  
98.1002

■ 59.1944, 78.2702,  
65.0885

■ 92.2474, 94.3949,  
107.9658

■ 52.7830, 75.1577,  
56.0843

■ 47.4780, 72.5956,  
48.0306

■ 43.2123, 70.5500,  
40.8956

■ 39.9110, 68.9831,  
34.6457

■ 37.4886, 67.8513,  
29.2450

■ 35.8431, 67.1029,  
24.6548

■ 34.9466, 66.7105,  
21.4607

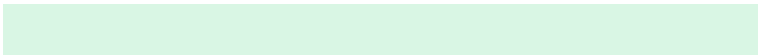
# Harmonies

## Analogous

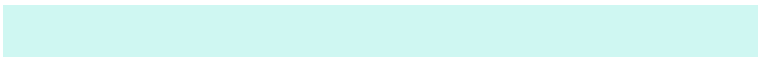
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7700, 86.2647, 78.4213



75.5746, 86.2647, 86.0663



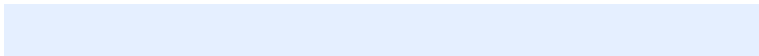
75.0743, 86.2647, 96.3815

# Triad

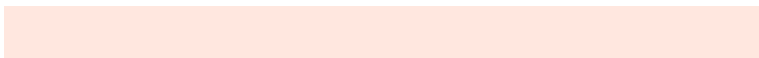
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5746, 86.2647, 86.0663



82.8444, 86.2647, 115.8363



87.8702, 86.2647, 82.1519

# Complementary

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



75.5746, 86.2647, 86.0663



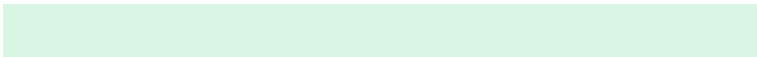
77.8174, 75.2188, 89.0185

# 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.



89.3221, 86.2647, 91.5157



75.5746, 86.2647, 86.0663



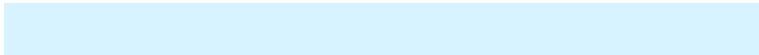
86.3641, 86.2647, 111.3539

# Square

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



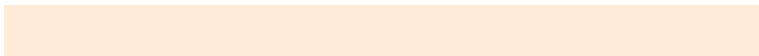
75.5746, 86.2647, 86.0663



79.1990, 86.2647, 114.1014



88.7628, 86.2647, 102.2536

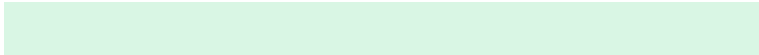


84.8499, 86.2647, 76.2839



# Rectangle

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



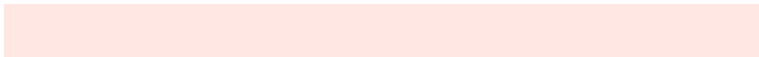
75.5746, 86.2647, 86.0663



75.7553, 86.2647, 103.4976



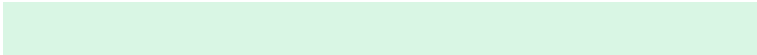
88.7628, 86.2647, 102.2536



88.5620, 86.2647, 84.9665

# Sweetspot

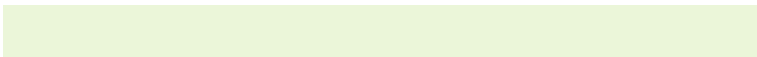
The Sweet Spot groups the original color and five complimentary colors.



75.5770, 86.2684, 86.0682



90.3937, 97.7154, 103.4484



79.8655, 88.6500, 78.5485



19.1660, 20.8259, 21.9272



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

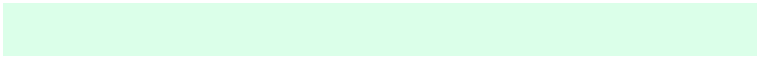


# Same Dimension

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



75.5770, 86.2684, 86.0682



79.7489, 92.5007, 90.6221



77.6210, 87.0859, 96.8315



16.5422, 18.5760, 18.8737



18.7151, 35.6309, 11.7853



1.6932, 3.1509, 1.2904



# Inverse Universe

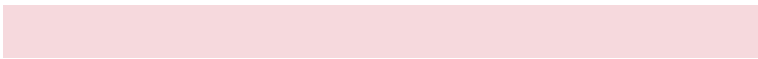
The Inverse Universe completely reimagines the original color for something new.



77.8174, 75.2188, 89.0185



82.5959, 78.4581, 94.3706



75.8549, 74.4338, 78.6841



16.9316, 16.6555, 19.3866



23.4124, 11.7084, 17.4119

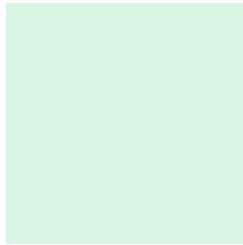


2.1076, 1.0490, 1.7932



# Previews

## White Background



This preview shows how the XYZ color 75.5746, 86.2647, 86.0663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

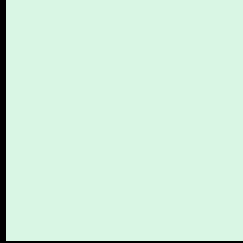
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5746, 86.2647, 86.0663 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

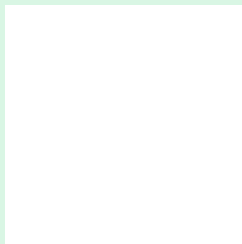
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.5746, 86.2647, 86.0663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5746, 86.2647, 86.0663.



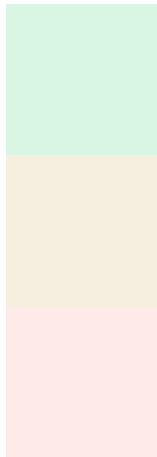
This preview shows how white text looks on a background with the XYZ color 75.5746, 86.2647,

86.0663.

# 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

75.5746, 86.2647, 86.0663

### Protanopia

81.8999, 86.0696, 82.1085

### Deuteranopia

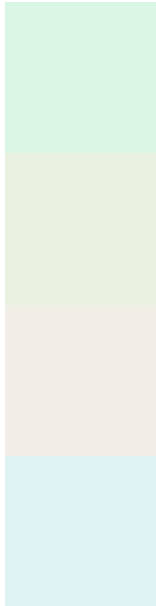
85.5141, 86.0462, 89.9434



## Tritanopia

81.1839, 86.4615, 107.0176

# Trichromacy



## Original Color

75.5746, 86.2647, 86.0663

## Protanomaly

79.3069, 86.0090, 83.6556

## Deuteranomaly

81.4157, 85.6760, 88.5900

## Tritanomaly

78.9634, 86.3817, 98.8977

# Monochromacy



## Original Color

75.5746, 86.2647, 86.0663

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.4269, 84.0532, 88.4870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5746, 86.2647, 86.0663 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(217, 246, 228)` looks like.

```
.text, #text, p{  
    color:rgb(217, 246, 228)  
}
```

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(217, 246, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 246, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5746, 86.2647, 86.0663 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(217, 246, 228) }
```



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

```
.border{ border-color:rgb(217, 246, 228) }
```

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

Here you see how a box with a 4 pixel rgb(217, 246, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 246, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 246, 228);  
box-shadow:4px 4px 4px 4px rgb(217, 246,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5746, 86.2647, 86.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 246, 228) }
```

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

```
.background{ background-color: rgb(217,  
246, 228) }
```

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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