

# Converting Colors

XYZ(75.1193, 87.0058, 82.5026)

Have a look what the booklet for  
XYZ(75.1193, 87.0058, 82.5026)  
contains.

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# Color

**XYZ(75.2056, 87.0614,  
82.6528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F8DF
RGB	216, 248, 223
RGB Percent	85%, 97%, 87%
CMY	0.1529, 0.0274, 0.1255
CMYK	0.13, 0.00, 0.10, 0.03
HSL	133°, 70%, 91%
HSV	133°, 13%, 97%
XYZ	75.2056, 87.0614, 82.6528
YIQ	235.5820, -11.0470, -14.5590

# Conversions

## Conversions Part 2

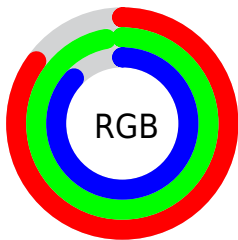
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	216, 242, 248
Decimal	14219487
CIE Lab	94.76, -14.97, 8.53
CIE LCh	95, 17.232, 150.332
Yxy	87.0614, 0.3071, 0.3555
Android (android.graphics.Color)	4292409567 (0xFFD8F8DF)
YUV	235.5820, -6.2029, -17.1734
Hunter-Lab	93.3067, -19.4150, 12.7945

# Details

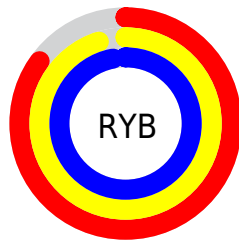
The XYZ color **75.2056, 87.0614, 82.6528** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1476, 75.4213, 93.6094**, and the grayscale version is **79.4632, 83.6015, 91.0420**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6155, 48.1035, 44.1900** is the 20% darker color. If you saturate the color by 10%, you get **65.9598, 82.5823, 69.3553**, and if you desaturate by 10%, it is **85.8610, 92.2376, 97.5805**.

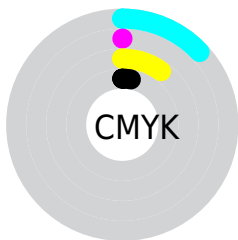
# Distribution



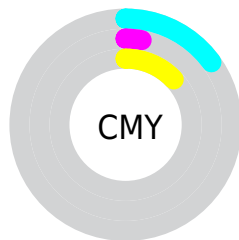
- Red (85%)
- Green (97%)
- Blue (87%)



- Red (85%)
- Yellow (95%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)




- Cyan (15%)
- Magenta (3%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2056, 87.0614, 82.6528 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 75.2056, 87.0614, 82.6528 by changing the saturation by 10% instead.



 75.2056, 87.0614,  
82.6528

 75.2056, 87.0614,  
82.6528


467.6102,  
518.4246, 523.7693

 56.0761, 65.5460,  
61.3648


125.5897,  
143.2497, 138.9340

 40.5012, 47.9040,  
44.0872

157.5750,  
178.6914, 174.7642

 28.1155, 33.7508,  
30.4014

194.5764,  
219.5441, 216.2790

 18.5536, 22.7023,  
19.8888

236.9590,  
266.1920, 263.8968

 11.4503, 14.3738,  
12.1310

285.0884,  
319.0196, 318.0362

 6.4401, 8.3811,  
6.7093

339.3298,

 3.1577, 4.3398,

378.4113, 379.1157

3.2053

400.0486,  
444.7515, 447.5539

■ 1.2377, 1.8654,  
1.2004

■ 0.1358, 0.5274,  
0.0000

■ 75.2056, 87.0614,  
82.6528

■ 75.2056, 87.0614,  
82.6528

■ 65.9598, 82.5823,  
69.3553

■ 85.8610, 92.2376,  
97.5805

■ 58.0570, 78.7596,  
57.6271

■ 92.8590, 95.6181,  
108.1697

■ 51.4360, 75.5656,  
47.4119

■ 46.0276, 72.9659,  
38.6478

■ 41.7564, 70.9229,  
31.2687

■ 38.5379, 69.3946,  
25.2034

■ 36.2757, 68.3329,  
20.3740

■ 34.8543, 67.6801,  
16.6945

■ 34.2407, 67.4067,  
14.7265

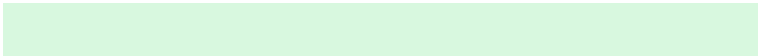
# Harmonies

## Analogous

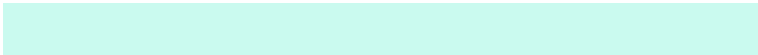
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3064, 87.0614, 74.3275



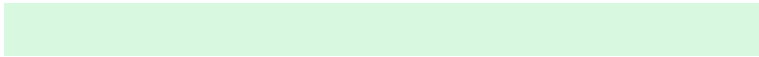
75.2056, 87.0614, 82.6528



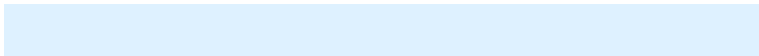
74.1091, 87.0614, 94.9439

# Triad

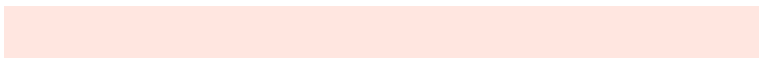
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2056, 87.0614, 82.6528



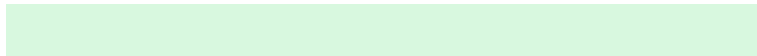
82.8012, 87.0614, 122.8397



90.7260, 87.0614, 82.4179

# Complementary

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



75.2056, 87.0614, 82.6528



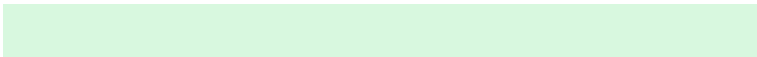
79.1476, 75.4213, 93.6094

# 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.



92.0362, 87.0614, 94.6464



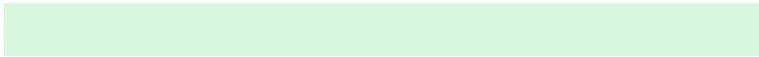
75.2056, 87.0614, 82.6528



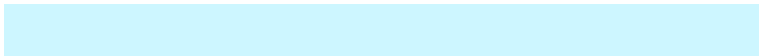
87.3570, 87.0614, 118.7123

# Square

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



75.2056, 87.0614, 82.6528



78.3932, 87.0614, 118.8852



90.7812, 87.0614, 108.0718

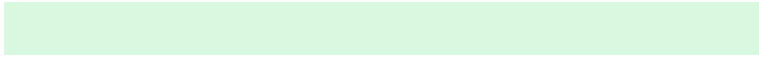


87.2638, 87.0614, 74.2011



# Rectangle

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



75.2056, 87.0614, 82.6528



74.6288, 87.0614, 103.9934



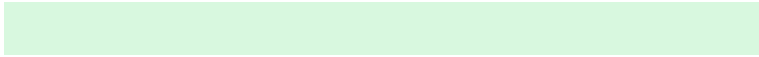
90.7812, 87.0614, 108.0718



91.4383, 87.0614, 86.1558

# Sweetspot

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



75.2080, 87.0651, 82.6547



90.1397, 97.6138, 102.1113



82.2639, 90.8094, 78.1591



19.1019, 20.8003, 21.5896



0.0000, 0.0000, 0.0000

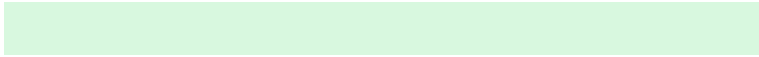


20.3446, 21.4041, 23.3091

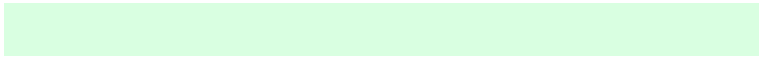


# Same Dimension

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



75.2080, 87.0651, 82.6547



77.9075, 91.6760, 84.9065



77.4592, 87.9656, 94.5096



17.1728, 19.3714, 19.1104



18.5382, 36.4283, 8.1773



1.7546, 3.3889, 0.9556



# Inverse Universe

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



79.1476, 75.4213, 93.6094



82.7205, 77.4497, 98.2890



76.8697, 74.5101, 81.6143



17.8210, 17.4557, 20.9130



26.2119, 12.9005, 28.8878

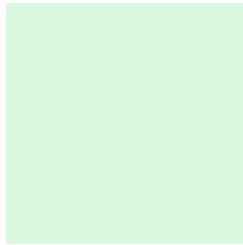


2.4665, 1.2103, 2.8798



# Previews

## White Background



This preview shows how the XYZ color 75.2056, 87.0614, 82.6528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

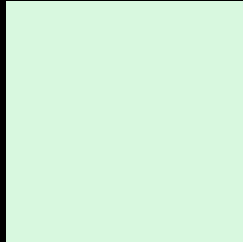
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2056, 87.0614, 82.6528 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

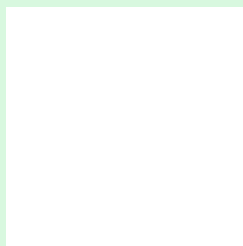
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2056, 87.0614, 82.6528**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2056, 87.0614, 82.6528.



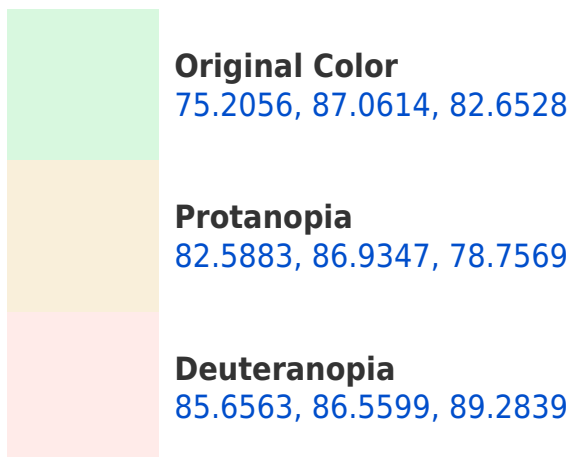
This preview shows how white text looks on a background with the XYZ color 75.2056, 87.0614,

82.6528.

# 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

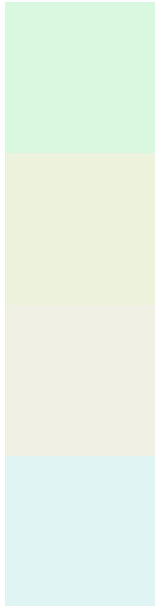




## **Tritanopia**

81.7970, 87.2182, 107.1314

# Trichromacy



## Original Color

75.2056, 87.0614, 82.6528

## Protanomaly

79.5955, 86.6761, 80.2452

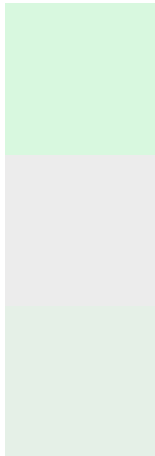
## Deuteranomaly

81.5786, 86.6781, 86.5596

## Tritanomaly

79.2688, 87.0197, 97.4126

# Monochromacy



## Original Color

75.2056, 87.0614, 82.6528

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

77.8970, 84.7477, 87.8536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2056, 87.0614, 82.6528 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(216, 248, 223) looks like.

```
.text, #text, p{  
    color:rgb(216, 248, 223)  
}
```

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(216, 248, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 248, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2056, 87.0614, 82.6528 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(216, 248, 223) }
```



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

```
.border{ border-color:rgb(216, 248, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 248, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 248, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 248, 223);  
box-shadow:4px 4px 4px 4px rgb(216, 248,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2056, 87.0614, 82.6528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 248, 223) }
```

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

```
.background{ background-color: rgb(216,  
248, 223) }
```

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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