

Converting Colors

XYZ(76.7163, 83.6367, 87.9953)

Have a look what the booklet for
XYZ(76.7163, 83.6367, 87.9953)
contains.

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Color

**XYZ(76.6543, 83.6713,
87.7114)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EFE7
RGB	226, 239, 231
RGB Percent	89%, 94%, 91%
CMY	0.1137, 0.0627, 0.0941
CMYK	0.05, 0.00, 0.03, 0.06
HSL	143°, 29%, 91%
HSV	143°, 5%, 94%
XYZ	76.6543, 83.6713, 87.7114
YIQ	234.2010, -5.1800, -5.2440

Conversions

Conversions Part 2

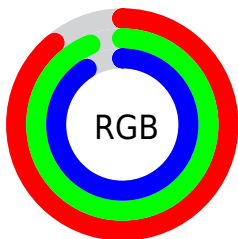
Format	Color
R_{YB}	226, 235, 239
Decimal	14872551
CIE Lab	93.31, -5.74, 2.37
CIE LCh	93, 6.212, 157.584
Yxy	83.6713, 0.3090, 0.3373
Android (android.graphics.Color)	4293062631 (0xFFE2EFE7)
YUV	234.2010, -1.5781, -7.1923
Hunter-Lab	91.4720, -10.4916, 7.1780

Details

The XYZ color **76.6543, 83.6713, 87.7114** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6473, 78.6860, 88.9413**, and the grayscale version is **78.3753, 82.4570, 89.7956**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4659, 45.6200, 47.1775** is the 20% darker color. If you saturate the color by 10%, you get **67.6849, 79.2799, 76.8986**, and if you desaturate by 10%, it is **86.8477, 88.6783, 99.4965**.

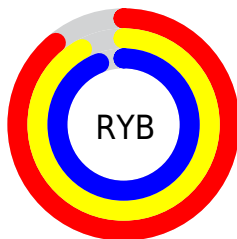
Distribution



Red (89%)

Green (94%)

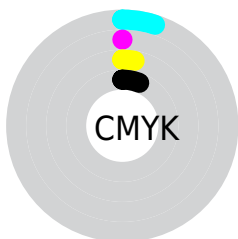
Blue (91%)



Red (89%)

Yellow (92%)

Blue (94%)

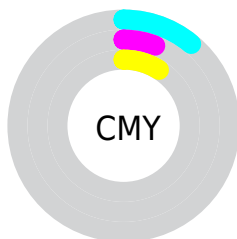


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (11%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6543, 83.6713, 87.7114 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 76.6543, 83.6713, 87.7114 by changing the saturation by 10% instead.

76.6543, 83.6713,
87.7114

76.6543, 83.6713,
87.7114

472.4946,
507.2211, 540.9345

57.2681, 62.7441,
65.5211

127.6268,
138.5153, 146.0629

41.4615, 45.6342,
47.4297

159.9439,
173.2008, 183.0612

28.8691, 31.9573,
33.0187

197.3019,
213.2413, 225.8326

19.1256, 21.3289,
21.8696

240.0663,
259.0211, 274.7955

11.8656, 13.3646,
13.5637

288.6024,
310.9245, 330.3687

6.7238, 7.6801,
7.6826

343.2756,

3.3348, 3.8909,

369.3361, 392.9705

3.8077

404.4512,
434.6401, 463.0196

■ 1.3332, 1.6127,
1.5204

■ 0.2078, 0.3662,
0.2331

■ 76.6543, 83.6713,
87.7114

■ 76.6543, 83.6713,
87.7114

■ 67.6849, 79.2799,
76.8986

■ 86.8477, 88.6783,
99.4965

■ 59.8853, 75.4694,
67.0282

■ 90.1581, 90.2163,
107.2694

■ 53.2075, 72.2181,
58.0764

■ 47.5972, 69.4985,
50.0165

■ 42.9957, 67.2808,
42.8206

■ 39.3383, 65.5323,
36.4591

■ 36.5521, 64.2162,
30.9007

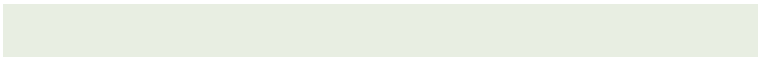
■ 34.5530, 63.2895,
26.1121

■ 33.2383, 62.7001,
22.0571

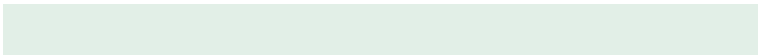
Harmonies

Analogous

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



77.6238, 83.6713, 84.1493



76.6543, 83.6713, 87.7114



76.4494, 83.6713, 92.2981

Triad

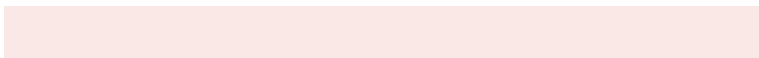
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6543, 83.6713, 87.7114



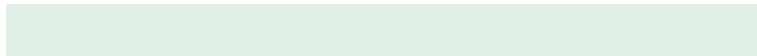
79.9430, 83.6713, 100.3292



82.0461, 83.6713, 85.7186

Complementary

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



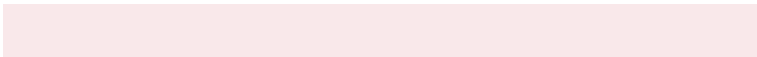
76.6543, 83.6713, 87.7114



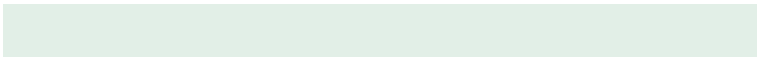
77.6473, 78.6860, 88.9413

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.



82.6862, 83.6713, 89.9199



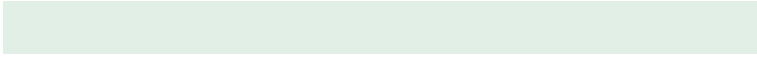
76.6543, 83.6713, 87.7114



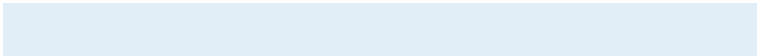
81.4612, 83.6713, 98.4313

Square

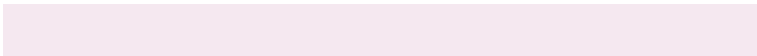
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6543, 83.6713, 87.7114



78.3335, 83.6713, 99.6887



82.4707, 83.6713, 94.5826



80.7327, 83.6713, 83.0266

Rectangle

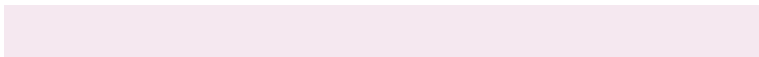
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



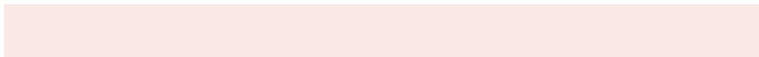
76.6543, 83.6713, 87.7114



76.7713, 83.6713, 95.3396



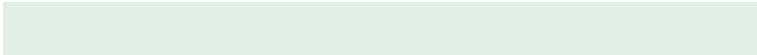
82.4707, 83.6713, 94.5826



82.3479, 83.6713, 86.9954

Sweetspot

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



76.6567, 83.6749, 87.7132



92.6972, 98.8450, 106.1734



78.5343, 84.7233, 84.1665



19.8657, 21.1690, 22.7542



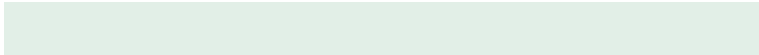
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

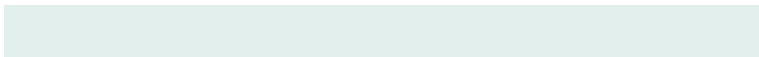
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6567, 83.6749, 87.7132



87.0664, 96.0828, 99.5558



77.5901, 84.0483, 92.6289



16.1958, 17.9425, 18.5139



18.1820, 34.5648, 11.6072



1.5597, 2.8943, 1.2140

Inverse Universe

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



77.6473, 78.6860, 88.9413



88.5321, 88.7010, 101.3727



76.7320, 78.3199, 84.1219



16.4911, 16.4556, 18.8799



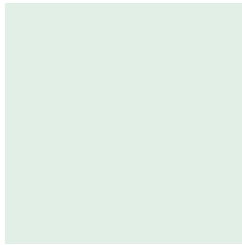
22.6522, 11.3333, 16.6171



1.9329, 0.9622, 1.6375

Previews

White Background



This preview shows how the XYZ color 76.6543, 83.6713, 87.7114 looks on a white background.

Color Contrast Check

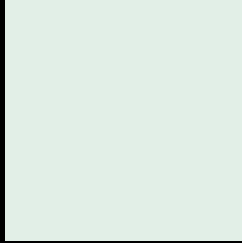
Large Text (above 18pt) WCAG AA × Fail

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 76.6543, 83.6713, 87.7114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

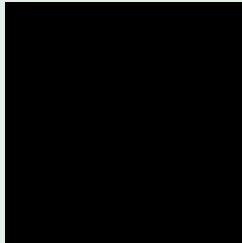
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

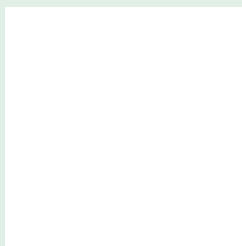
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6543, 83.6713, 87.7114

Background



This preview shows how black text looks on a background with the XYZ color 76.6543, 83.6713, 87.7114.



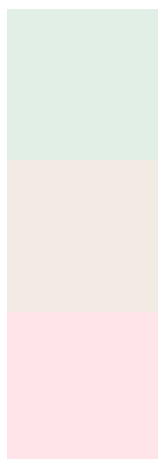
This preview shows how white text looks on a background with the XYZ color 76.6543, 83.6713,

87.7114.

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

76.6543, 83.6713, 87.7114

Protanopia

79.9875, 83.7189, 85.3424

Deuteranopia

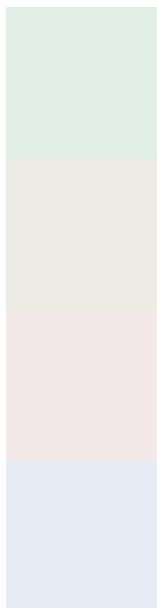
84.1106, 83.2391, 89.4756



Tritanopia

80.2309, 83.3954, 105.6342

Trichromacy



Original Color

76.6543, 83.6713, 87.7114

Protanomaly

78.7304, 83.4809, 86.0926

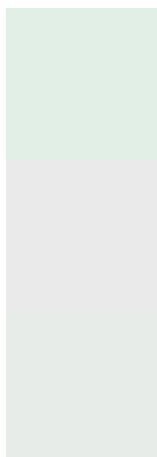
Deuteranomaly

81.1551, 83.3941, 88.9101

Tritanomaly

78.9431, 83.3027, 99.1071

Monochromacy



Original Color

76.6543, 83.6713, 87.7114

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6584, 82.8630, 88.9919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6543, 83.6713, 87.7114 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(226, 239, 231) looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 231)  
}
```

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(226, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 231) }
```

Border

The CSS property to change the border of an element to XYZ 76.6543, 83.6713, 87.7114 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(226, 239, 231) }
```


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

```
.border{ border-color:rgb(226, 239, 231) }
```

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

Here you see how a box with a 4 pixel rgb(226, 239, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6543, 83.6713, 87.7114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 231) }
```

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

```
.background{ background-color: rgb(226,  
239, 231) }
```

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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