

Converting Colors

XYZ(76.1670, 87.5710, 85.0139)

Have a look what the booklet for
XYZ(76.1670, 87.5710, 85.0139)
contains.

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Color

**XYZ(76.2083, 87.5312,
84.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF8E2
RGB	218, 248, 226
RGB Percent	85%, 97%, 89%
CMY	0.1451, 0.0274, 0.1137
CMYK	0.12, 0.00, 0.09, 0.03
HSL	136°, 68%, 91%
HSV	136°, 12%, 97%
XYZ	76.2083, 87.5312, 84.8301
YIQ	236.5220, -10.8180, -13.2020

Conversions

Conversions Part 2

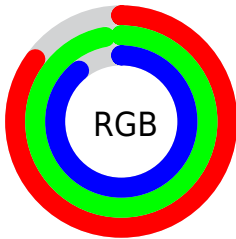
Format	Color
R _{YB}	218, 242, 248
Decimal	14350562
CIE Lab	94.96, -13.78, 7.28
CIE LCh	95, 15.590, 152.146
Yxy	87.5312, 0.3066, 0.3521
Android (android.graphics.Color)	4292540642 (0xFFDAF8E2)
YUV	236.5220, -5.1873, -16.2438
Hunter-Lab	93.5581, -18.3285, 11.7318

Details

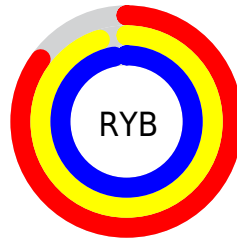
The XYZ color **76.2083, 87.5312, 84.8301** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.5141, 76.3927, 92.9966**, and the grayscale version is **80.1754, 84.3508, 91.8580**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3046, 48.4261, 45.6983** is the 20% darker color. If you saturate the color by 10%, you get **66.9750, 83.0470, 72.0544**, and if you desaturate by 10%, it is **86.8209, 92.7008, 99.0560**.

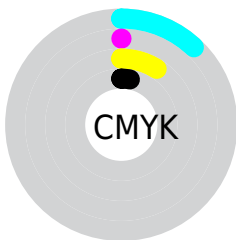
Distribution



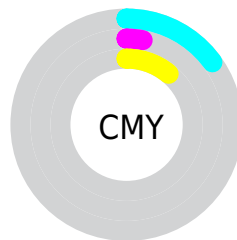
- Red (85%)
- Green (97%)
- Blue (89%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.2083, 87.5312, 84.8301 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 76.2083, 87.5312, 84.8301 by changing the saturation by 10% instead.


 76.2083, 87.5312,
84.8301

 76.2083, 87.5312,
84.8301

470.9939,
519.9668, 531.1956

 56.9010, 65.9349,
63.1517


127.0001,
143.9043, 142.0078

 41.1656, 48.2195,
45.5221


159.2153,
179.4499, 178.3442

 28.6367, 34.0008,
31.5229


196.4638,
220.4140, 220.4036

 18.9491, 22.8942,
20.7356

239.1110,
267.1811, 268.6047

 11.7373, 14.5154,
12.7415

287.5223,
320.1355, 323.3659

 6.6360, 8.4800,
7.1222

342.0629,

 3.2798, 4.4036,

379.6617, 385.1057

3.4590

403.0984,
446.1440, 454.2428

■ 1.3034, 1.9018,
1.3335

■ 0.1858, 0.5495,
0.0890

■ 76.2083, 87.5312,
84.8301

■ 76.2083, 87.5312,
84.8301

■ 66.9750, 83.0470,
72.0544

■ 86.8209, 92.7008,
99.0560

■ 59.0564, 79.2084,
60.6775

■ 92.8591, 95.6182,
108.1697

■ 52.3935, 75.9885,
50.6535

■ 46.9198, 73.3541,
41.9316

■ 42.5627, 71.2688,
34.4580

■ 39.2410, 69.6921,
28.1750

■ 36.8622, 68.5774,
23.0202

■ 35.3160, 67.8693,
18.9254

■ 34.5562, 67.5330,
16.3880

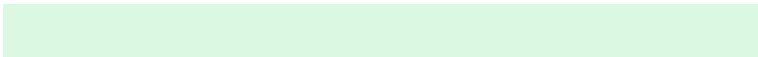
Harmonies

Analogous

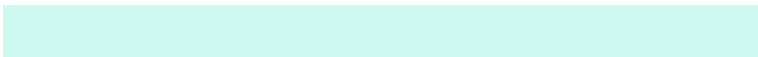
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9418, 87.5312, 76.9093



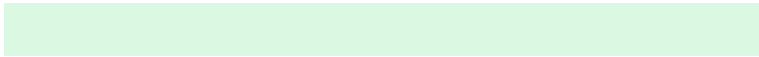
76.2083, 87.5312, 84.8301



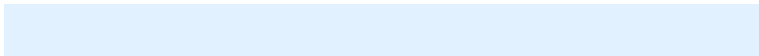
75.3281, 87.5312, 96.1818

Triad

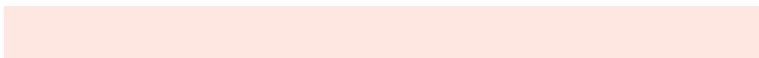
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2083, 87.5312, 84.8301



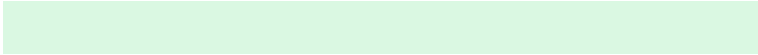
83.5008, 87.5312, 120.5366



90.2757, 87.5312, 83.4394

Complementary

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



76.2083, 87.5312, 84.8301



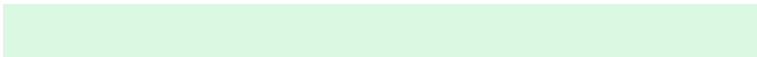
79.5141, 76.3927, 92.9966

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.



91.5931, 87.5312, 94.4367



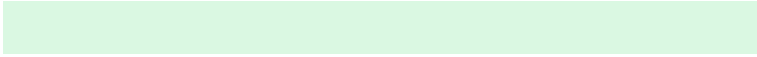
76.2083, 87.5312, 84.8301



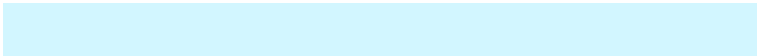
87.5999, 87.5312, 116.4260

Square

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



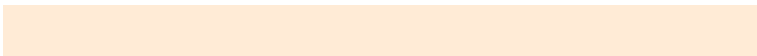
76.2083, 87.5312, 84.8301



79.4524, 87.5312, 117.4259



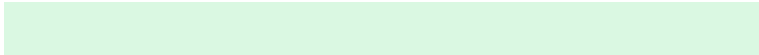
90.5978, 87.5312, 106.6120



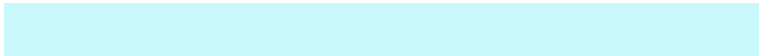
87.0549, 87.5312, 76.1555

Rectangle

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



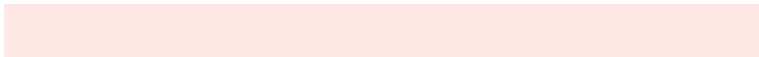
76.2083, 87.5312, 84.8301



75.8858, 87.5312, 104.3622



90.5978, 87.5312, 106.6120



90.9607, 87.5312, 86.7906

Sweetspot

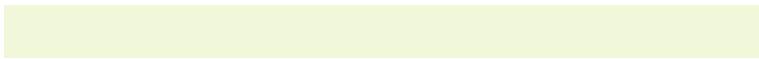
The Sweet Spot groups the original color and five complimentary colors.



76.2107, 87.5349, 84.8320



90.2153, 97.6441, 102.5091



82.3309, 90.8139, 79.5203



19.1210, 20.8079, 21.6900



0.0000, 0.0000, 0.0000



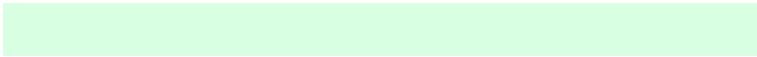
20.3446, 21.4041, 23.3091

Same Dimension

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



76.2107, 87.5349, 84.8320



78.1591, 91.7767, 86.2314



78.2863, 88.3651, 95.7616



17.2074, 19.3852, 19.2928



18.7157, 36.4993, 9.1120



1.7754, 3.3972, 1.0649

Inverse Universe

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



79.5141, 76.3927, 92.9966



82.4395, 77.3373, 96.8096



77.4444, 75.5648, 82.0979



17.7839, 17.4409, 20.7177



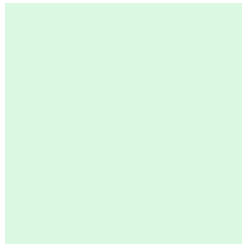
25.5273, 12.6266, 25.2829



2.4082, 1.1870, 2.5729

Previews

White Background



This preview shows how the XYZ color 76.2083, 87.5312, 84.8301 looks on a white background.

Color Contrast Check

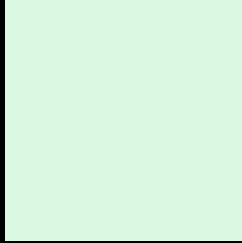
Large Text (above 18pt) WCAG AA × Fail

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 76.2083, 87.5312, 84.8301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

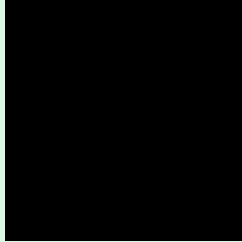
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

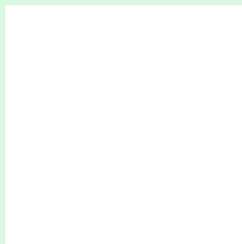
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.2083, 87.5312, 84.8301

Background



This preview shows how black text looks on a background with the XYZ color 76.2083, 87.5312, 84.8301.



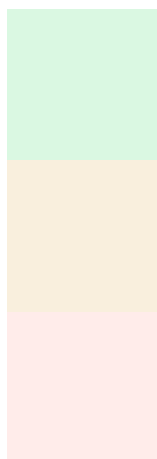
This preview shows how white text looks on a background with the XYZ color 76.2083, 87.5312, 84.8301.

84.8301.

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

76.2083, 87.5312, 84.8301

Protanopia

82.9846, 87.0932, 80.8435

Deuteranopia

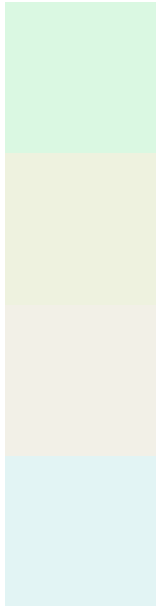
86.0867, 87.1914, 90.1343



Tritanopia

82.4353, 87.5473, 107.1612

Trichromacy



Original Color

76.2083, 87.5312, 84.8301

Protanomaly

80.3313, 87.0091, 82.3726

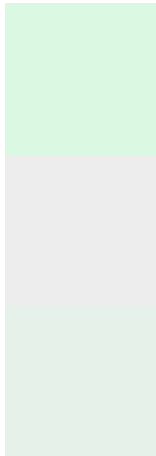
Deuteranomaly

82.2018, 86.9669, 88.0551

Tritanomaly

80.0438, 87.4018, 98.2394

Monochromacy



Original Color

76.2083, 87.5312, 84.8301

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

78.7964, 85.6168, 89.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2083, 87.5312, 84.8301 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(218, 248, 226) looks like.

```
.text, #text, p{  
    color:rgb(218, 248, 226)  
}
```

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(218, 248, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 248, 226) }
```

Border

The CSS property to change the border of an element to XYZ 76.2083, 87.5312, 84.8301 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(218, 248, 226) }
```


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

```
.border{ border-color:rgb(218, 248, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 248, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 248, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 248, 226);  
box-shadow:4px 4px 4px 4px rgb(218, 248,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2083, 87.5312, 84.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 248, 226) }
```

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

```
.background{ background-color: rgb(218,  
248, 226) }
```

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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