

Converting Colors

XYZ(76.7739, 87.4301, 90.7390)

Have a look what the booklet for
XYZ(76.7739, 87.4301, 90.7390)
contains.

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Color

**XYZ(76.7273, 87.2138,
90.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F7EA
RGB	217, 247, 234
RGB Percent	85%, 97%, 92%
CMY	0.1490, 0.0314, 0.0823
CMYK	0.12, 0.00, 0.05, 0.03
HSL	154°, 65%, 91%
HSV	154°, 12%, 97%
XYZ	76.7273, 87.2138, 90.6319
YIQ	236.5480, -13.7070, -10.4030

Conversions

Conversions Part 2

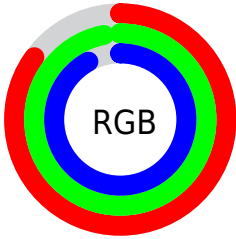
Format	Color
RYB	217, 236, 247
Decimal	14284778
CIELab	94.83, -12.15, 2.95
CIELCh	95, 12.505, 166.360
Yxy	87.2138, 0.3014, 0.3426
Android (android.graphics.Color)	4292474858 (0xFFD9F7EA)
YUV	236.5480, -1.2562, -17.1436
Hunter-Lab	93.3883, -16.7750, 7.8318

Details

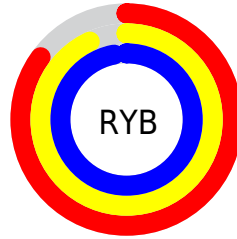
The XYZ color **76.7273, 87.2138, 90.6319** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4567, 75.1152, 85.2831**, and the grayscale version is **80.1678, 84.3428, 91.8493**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5670, 48.1573, 49.2240** is the 20% darker color. If you saturate the color by 10%, you get **68.4363, 83.1144, 82.4576**, and if you desaturate by 10%, it is **86.2150, 91.9242, 99.3510**.

Distribution



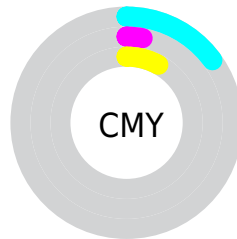
- Red (85%)
- Green (97%)
- Blue (92%)



- Red (85%)
- Yellow (93%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)




- Cyan (15%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7273, 87.2138, 90.6319 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 76.7273, 87.2138, 90.6319 by changing the saturation by 10% instead.


 76.7273, 87.2138,
90.6319

 76.7273, 87.2138,
90.6319


472.7400,
518.9252, 550.7073

 57.3282, 65.6722,
67.9282


127.7294,
143.4621, 150.1590

 41.5100, 48.0063,
49.3730


160.0630,
178.9375, 187.8195

 28.9072, 33.8319,
34.5478


197.4390,
219.8264, 231.3026

 19.1546, 22.7645,
23.0340

240.2225,
266.5130, 281.0270

 11.8867, 14.4197,
14.4131

288.7791,
319.3818, 337.4111

 6.7382, 8.4131,
8.2665

343.4739,

 3.3438, 4.3604,

378.8171, 400.8735

4.1757

404.6724,
445.2035, 471.8327

■ 1.3381, 1.8772,
1.7222

■ 0.2114, 0.5346,
0.3759

■ 76.7273, 87.2138,
90.6319

■ 76.7273, 87.2138,
90.6319

■ 68.4363, 83.1144,
82.4576

■ 86.2150, 91.9242,
99.3510

■ 61.2844, 79.5893,
74.8114

■ 92.5524, 95.0049,
108.0675

■ 55.2200, 76.6145,
67.6841

■ 50.1847, 74.1600,
61.0639

■ 46.1141, 72.1929,
54.9386

■ 42.9364, 70.6763,
49.2953

■ 40.5690, 69.5680,
44.1203

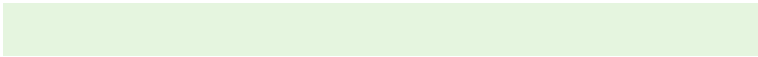
■ 38.9127, 68.8169,
39.3986

■ 37.9926, 68.4170,
35.9962

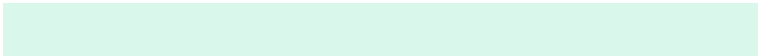
Harmonies

Analogous

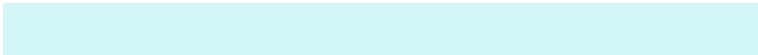
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2716, 87.2138, 82.6667



76.7273, 87.2138, 90.6319



76.8033, 87.2138, 100.3100

Triad

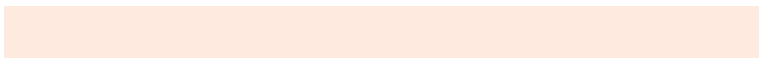
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7273, 87.2138, 90.6319



84.7413, 87.2138, 113.9970



87.4684, 87.2138, 82.0974

Complementary

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



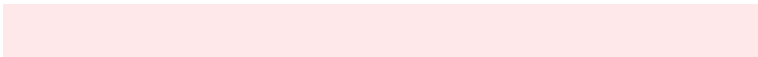
76.7273, 87.2138, 90.6319



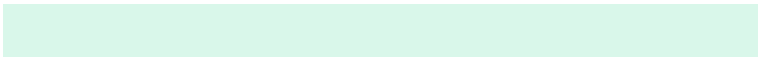
77.4567, 75.1152, 85.2831

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.



89.2987, 87.2138, 89.8057



76.7273, 87.2138, 90.6319



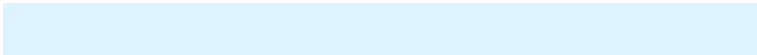
87.6951, 87.2138, 108.4176

Square

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



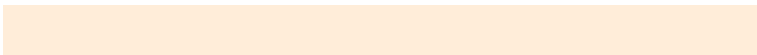
76.7273, 87.2138, 90.6319



81.3684, 87.2138, 114.2560



89.3828, 87.2138, 99.4258



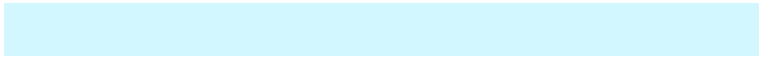
84.4388, 87.2138, 77.9706

Rectangle

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



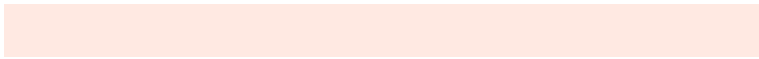
76.7273, 87.2138, 90.6319



77.7613, 87.2138, 106.4487



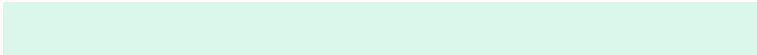
89.3828, 87.2138, 99.4258



88.2479, 87.2138, 84.3310

Sweetspot

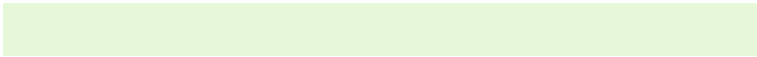
The Sweet Spot groups the original color and five complimentary colors.



76.7298, 87.2175, 90.6338



90.6928, 97.8351, 105.0235



78.5820, 88.4411, 78.5759



19.2417, 20.8562, 22.3256



0.0000, 0.0000, 0.0000



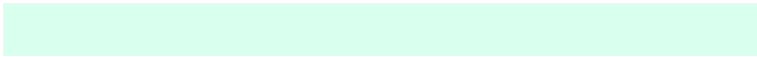
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7298, 87.2175, 90.6338



79.7958, 92.4313, 94.8500



78.2106, 87.0787, 100.6859



16.6756, 18.6294, 19.5759



20.1647, 36.2107, 19.4188



1.8238, 3.2032, 1.9780

Inverse Universe

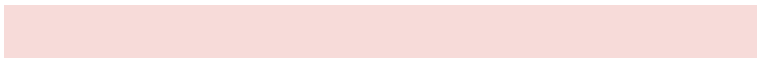
The Inverse Universe completely reimagines the original color for something new.



77.4567, 75.1152, 85.2831



80.7433, 76.6589, 87.8774



76.0861, 75.1885, 76.1494



16.7973, 16.6018, 18.6794



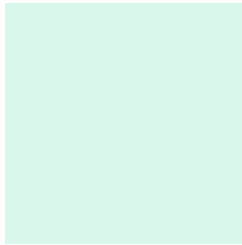
21.7593, 11.0472, 8.7068



1.9630, 0.9912, 1.0314

Previews

White Background



This preview shows how the XYZ color 76.7273, 87.2138, 90.6319 looks on a white background.

Color Contrast Check

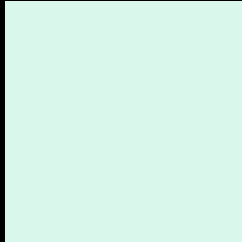
Large Text (above 18pt) WCAG AA × Fail

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 76.7273, 87.2138, 90.6319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

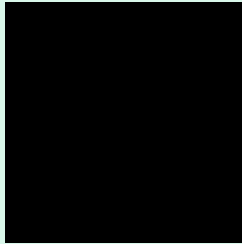
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

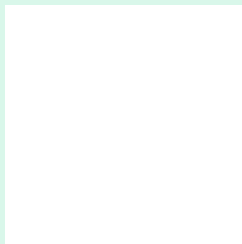
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7273, 87.2138, 90.6319

Background



This preview shows how black text looks on a background with the XYZ color 76.7273, 87.2138, 90.6319.



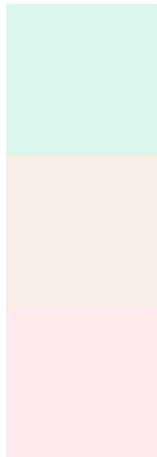
This preview shows how white text looks on a background with the XYZ color 76.7273, 87.2138,

90.6319.

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

76.7273, 87.2138, 90.6319

Protanopia

83.0154, 86.9830, 86.5428

Deuteranopia

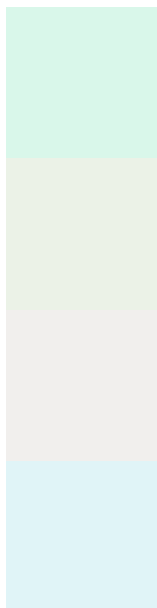
86.3809, 86.8497, 93.0998



Tritanopia

81.7970, 87.2182, 107.1314

Trichromacy



Original Color

76.7273, 87.2138, 90.6319

Protanomaly

80.4369, 86.9360, 88.1421

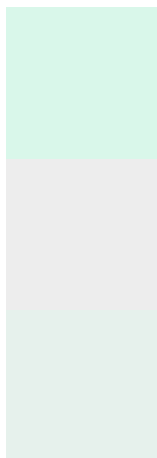
Deuteranomaly

82.4282, 86.5482, 92.4818

Tritanomaly

79.8797, 87.2641, 100.6292

Monochromacy



Original Color

76.7273, 87.2138, 90.6319

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.2287, 85.7897, 91.7402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7273, 87.2138, 90.6319 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, 247, 234)` looks like.

```
.text, #text, p{  
    color:rgb(217, 247, 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(217, 247, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 247, 234) }
```

Border

The CSS property to change the border of an element to XYZ 76.7273, 87.2138, 90.6319 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, 247, 234) }
```


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

```
.border{ border-color:rgb(217, 247, 234) }
```

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

Here you see how a box with a 4 pixel rgb(217, 247, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 247, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 247, 234);  
box-shadow:4px 4px 4px 4px rgb(217, 247,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7273, 87.2138, 90.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 247, 234) }
```

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

```
.background{ background-color: rgb(217,  
247, 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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