

Converting Colors

XYZ(78.7401, 88.1072, 91.6369)

Have a look what the booklet for
XYZ(78.7401, 88.1072, 91.6369)
contains.

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Color

**XYZ(78.6876, 88.2077,
91.4758)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF7EB
RGB	223, 247, 235
RGB Percent	87%, 97%, 92%
CMY	0.1255, 0.0314, 0.0784
CMYK	0.10, 0.00, 0.05, 0.03
HSL	150°, 60%, 92%
HSV	150°, 10%, 97%
XYZ	78.6876, 88.2077, 91.4758
YIQ	238.4560, -10.4520, -8.8200

Conversions

Conversions Part 2

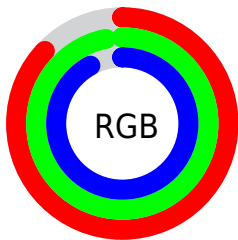
Format	Color
R _Y B	223, 239, 247
Decimal	14677995
CIE Lab	95.25, -10.03, 3.09
CIE LCh	95, 10.494, 162.876
Yxy	88.2077, 0.3046, 0.3414
Android (android.graphics.Color)	4292868075 (0xFFDFF7EB)
YUV	238.4560, -1.7038, -13.5549
Hunter-Lab	93.9190, -14.8065, 7.9956

Details

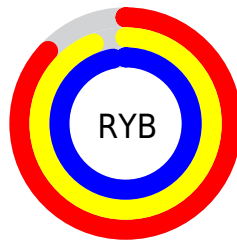
The XYZ color **78.6876, 88.2077, 91.4758** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7440, 78.5499, 89.5601**, and the grayscale version is **81.6421, 85.8939, 93.5384**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9159, 48.8411, 49.8132** is the 20% darker color. If you saturate the color by 10%, you get **69.9027, 83.8805, 82.0710**, and if you desaturate by 10%, it is **88.7116, 93.1643, 101.5892**.

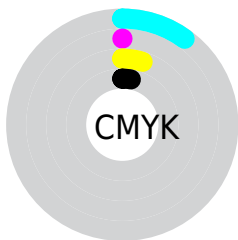
Distribution



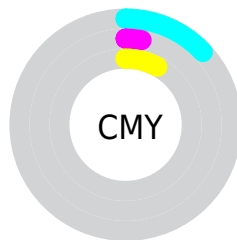
- Red (87%)
- Green (97%)
- Blue (92%)



- Red (87%)
- Yellow (94%)
- Blue (97%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (13%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6876, 88.2077, 91.4758 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 78.6876, 88.2077, 91.4758 by changing the saturation by 10% instead.


 78.6876, 88.2077,
91.4758

 78.6876, 88.2077,
91.4758


479.3030,
522.1832, 553.5135

 58.9437, 66.4951,
68.6247


130.4792,
144.8463, 151.3400

 42.8140, 48.6744,
49.9363


163.2577,
180.5411, 189.1903

 29.9331, 34.3613,
34.9919


201.1117,
221.6653, 232.8773

 19.9356, 23.1713,
23.3732

244.4067,
268.6035, 282.8197

 12.4563, 14.7200,
14.6614

293.5080,
321.7400, 339.4360

 7.1296, 8.6231,
8.4381

348.7809,

 3.5903, 4.4962,

381.4592, 403.1447

4.2848

410.5908,
448.1454, 474.3643

■ 1.4731, 1.9548,
1.7828

■ 0.3074, 0.5810,
0.4166

■ 78.6876, 88.2077,
91.4758

■ 78.6876, 88.2077,
91.4758

■ 69.9027, 83.8805,
82.0710

■ 88.7116, 93.1643,
101.5892

■ 62.2991, 80.1458,
73.3535

■ 92.5525, 95.0049,
108.0675

■ 55.8254, 76.9798,
65.3093

■ 50.4232, 74.3528,
57.9219

■ 46.0289, 72.2322,
51.1738

■ 42.5716, 70.5820,
45.0468

■ 39.9706, 69.3607,
39.5216

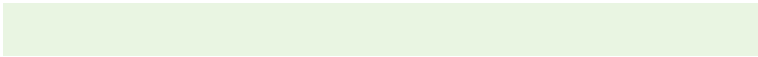
■ 38.1303, 68.5195,
34.5774

■ 36.8987, 67.9804,
30.1901

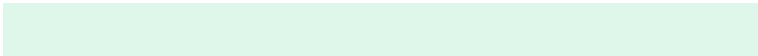
Harmonies

Analogous

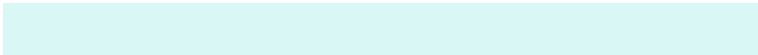
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1490, 88.2077, 84.9476



78.6876, 88.2077, 91.4758



78.5864, 88.2077, 99.5990

Triad

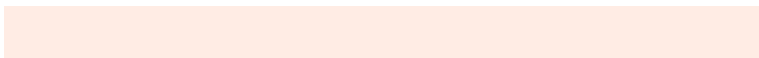
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6876, 88.2077, 91.4758



85.0713, 88.2077, 112.2454



87.9377, 88.2077, 85.7113

Complementary

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



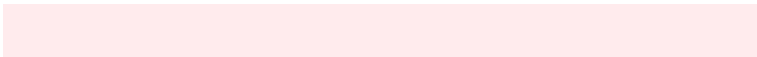
78.6876, 88.2077, 91.4758



79.7440, 78.5499, 89.5601

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.



89.3201, 88.2077, 92.5730



78.6876, 88.2077, 91.4758



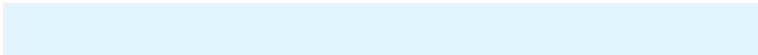
87.6401, 88.2077, 108.0652

Square

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



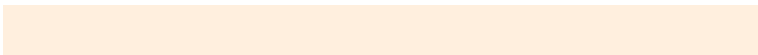
78.6876, 88.2077, 91.4758



82.2284, 88.2077, 111.9101



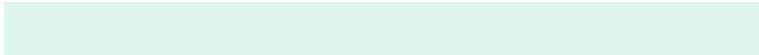
89.2100, 88.2077, 100.7601



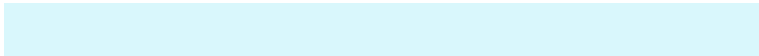
85.4700, 88.2077, 81.7517

Rectangle

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



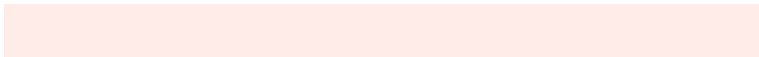
78.6876, 88.2077, 91.4758



79.3003, 88.2077, 104.8570



89.2100, 88.2077, 100.7601



88.5472, 88.2077, 87.7377

Sweetspot

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



78.6901, 88.2114, 91.4777



91.6814, 98.3339, 105.5592



80.9764, 89.5837, 82.8367



19.4354, 20.9544, 22.4054



0.0000, 0.0000, 0.0000



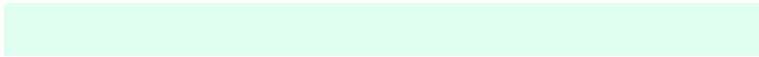
20.3446, 21.4041, 23.3091

Same Dimension

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



78.6901, 88.2114, 91.4777



82.3079, 93.7046, 95.9515



80.4221, 88.9042, 100.5984



16.6277, 18.6102, 19.3240



19.5690, 35.9724, 16.2821



1.7718, 3.1824, 1.7042

Inverse Universe

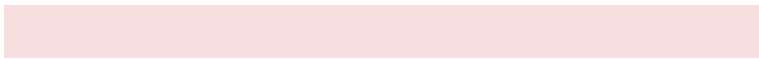
The Inverse Universe completely reimagines the original color for something new.



79.7440, 78.5499, 89.5601



83.6873, 81.0602, 93.4418



78.1214, 77.9009, 81.0153



16.8448, 16.6208, 18.9291



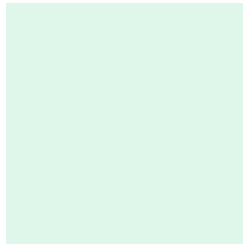
22.2659, 11.2498, 11.3745



2.0088, 1.0095, 1.2728

Previews

White Background



This preview shows how the XYZ color 78.6876, 88.2077, 91.4758 looks on a white background.

Color Contrast Check

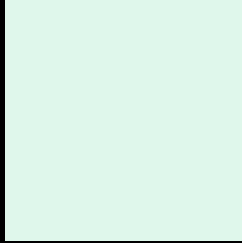
Large Text (above 18pt) WCAG AA × Fail

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 78.6876, 88.2077, 91.4758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

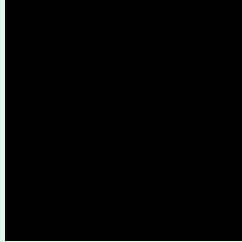
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

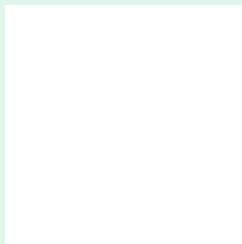
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6876, 88.2077, 91.4758

Background



This preview shows how black text looks on a background with the XYZ color 78.6876, 88.2077, 91.4758.



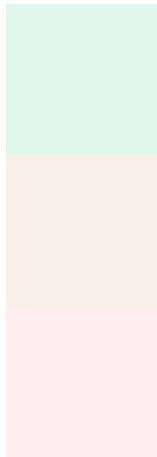
This preview shows how white text looks on a background with the XYZ color 78.6876, 88.2077,

91.4758.

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

78.6876, 88.2077, 91.4758

Protanopia

84.2953, 88.0462, 88.1531

Deuteranopia

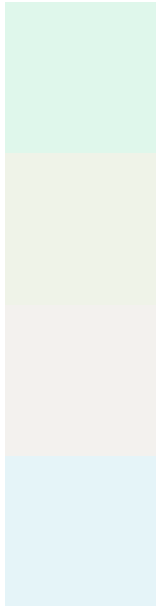
87.1042, 88.0604, 94.0678



Tritanopia

83.0808, 87.8801, 107.1915

Trichromacy



Original Color

78.6876, 88.2077, 91.4758

Protanomaly

82.2127, 88.2781, 89.0502

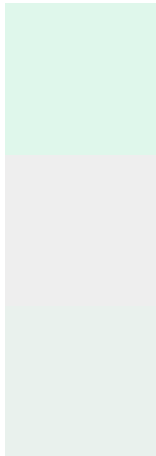
Deuteranomaly

83.8501, 88.1383, 93.4819

Tritanomaly

81.6071, 88.1367, 101.5179

Monochromacy



Original Color

78.6876, 88.2077, 91.4758

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.3456, 86.3487, 92.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6876, 88.2077, 91.4758 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(223, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 235)  
}
```

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(223, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 235) }
```

Border

The CSS property to change the border of an element to XYZ 78.6876, 88.2077, 91.4758 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(223, 247, 235) }
```


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

```
.border{ border-color:rgb(223, 247, 235) }
```

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

Here you see how a box with a 4 pixel rgb(223, 247, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6876, 88.2077, 91.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 235) }
```

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

```
.background{ background-color: rgb(223,  
247, 235) }
```

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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