

Converting Colors

XYZ(78.4212, 88.2633, 90.0486)

Have a look what the booklet for
XYZ(78.4212, 88.2633, 90.0486)
contains.

XYZ(78.4002, 88.0927, 89.9623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.4002, 88.0927,
89.9623)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF7E9
RGB	223, 247, 233
RGB Percent	87%, 97%, 91%
CMY	0.1255, 0.0314, 0.0863
CMYK	0.10, 0.00, 0.06, 0.03
HSL	145°, 60%, 92%
HSV	145°, 10%, 97%
XYZ	78.4002, 88.0927, 89.9623
YIQ	238.2280, -9.8100, -9.4420

Conversions

Conversions Part 2

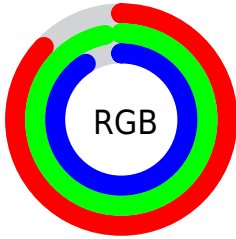
Format	Color
R _{YB}	223, 240, 247
Decimal	14677993
CIE Lab	95.20, -10.39, 4.05
CIE LCh	95, 11.155, 158.694
Yxy	88.0927, 0.3057, 0.3435
Android (android.graphics.Color)	4292868073 (0xFFDFF7E9)
YUV	238.2280, -2.5774, -13.3550
Hunter-Lab	93.8577, -15.1483, 8.8711

Details

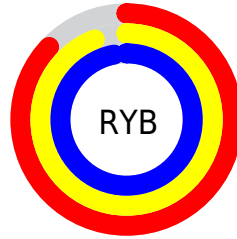
The XYZ color **78.4002, 88.0927, 89.9623** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0347, 78.6662, 91.0907**, and the grayscale version is **81.4715, 85.7143, 93.3429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7151, 48.7608, 48.7554** is the 20% darker color. If you saturate the color by 10%, you get **69.3631, 83.6646, 79.2294**, and if you desaturate by 10%, it is **88.7206, 93.1678, 101.6365**.

Distribution



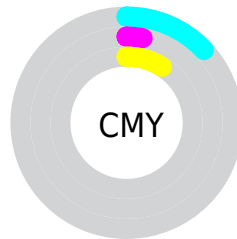
- Red (87%)
- Green (97%)
- Blue (91%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



- Cyan (13%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4002, 88.0927, 89.9623 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 78.4002, 88.0927, 89.9623 by changing the saturation by 10% instead.

78.4002, 88.0927,
89.9623

78.4002, 88.0927,
89.9623

478.3439,
521.8068, 548.4751

58.7067, 66.3998,
67.3758

130.0765,
144.6862, 149.2211

42.6225, 48.5971,
48.9266

162.7900,
180.3556, 186.7305

29.7823, 34.2999,
34.1961

200.5743,
221.4527, 230.0513

19.8207, 23.1241,
22.7657

243.7946,
268.3619, 279.6020

12.3722, 14.6852,
14.2169

292.8164,
321.4675, 335.8012

7.0717, 8.5987,
8.1312

348.0050,

3.5537, 4.4804,

381.1539, 399.0675

4.0901

409.7257,
447.8055, 469.8193

■ 1.4529, 1.9458,
1.6749

■ 0.2934, 0.5757,
0.3434

■ 78.4002, 88.0927,
89.9623

■ 78.4002, 88.0927,
89.9623

■ 69.3631, 83.6646,
79.2294

■ 88.7206, 93.1678,
101.6365

■ 61.5500, 79.8461,
69.4088

■ 92.5524, 95.0049,
108.0675

■ 54.9079, 76.6128,
60.4781

■ 49.3769, 73.9342,
52.4120

■ 44.8914, 71.7772,
45.1839

■ 41.3788, 70.1048,
38.7659

■ 38.7565, 68.8750,
33.1283

■ 36.9266, 68.0380,
28.2390

■ 35.7350, 67.5149,
24.0620

Harmonies

Analogous

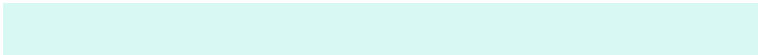
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1276, 88.0927, 83.4349



78.4002, 88.0927, 89.9623



78.0825, 88.0927, 98.4711

Triad

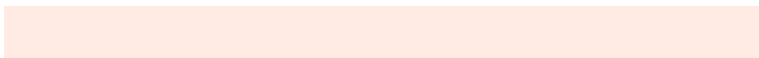
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4002, 88.0927, 89.9623



84.6163, 88.0927, 113.4384



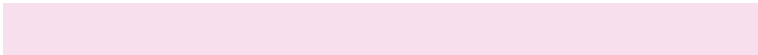
88.3757, 88.0927, 85.8272

Complementary

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



78.4002, 88.0927, 89.9623



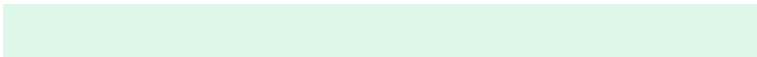
80.0347, 78.6662, 91.0907

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.



89.6423, 88.0927, 93.4093



78.4002, 88.0927, 89.9623



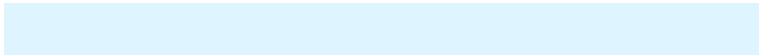
87.4377, 88.0927, 109.5879

Square

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



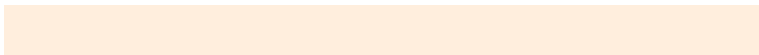
78.4002, 88.0927, 89.9623



81.6232, 88.0927, 112.3772



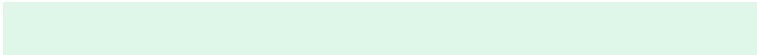
89.2949, 88.0927, 102.1309



85.8716, 88.0927, 81.1498

Rectangle

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



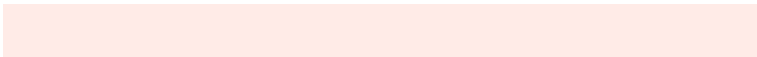
78.4002, 88.0927, 89.9623



78.7053, 88.0927, 104.1834



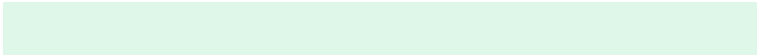
89.2949, 88.0927, 102.1309



88.9630, 88.0927, 88.1017

Sweetspot

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



78.4027, 88.0964, 89.9642



91.5810, 98.2937, 105.0304



81.6421, 89.9268, 82.8679



19.4083, 20.9436, 22.2628



0.0000, 0.0000, 0.0000



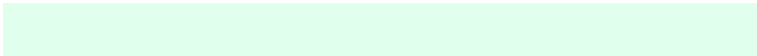
20.3446, 21.4041, 23.3091

Same Dimension

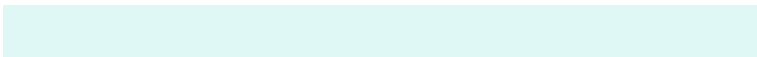
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4027, 88.0964, 89.9642



81.9323, 93.5544, 93.9738



80.1156, 88.7816, 98.9845



16.5685, 18.5866, 19.0123



18.9496, 35.7247, 13.0204



1.7155, 3.1598, 1.4075

Inverse Universe

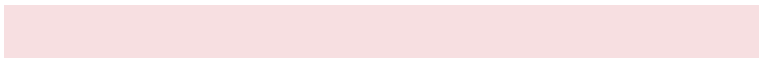
The Inverse Universe completely reimagines the original color for something new.



80.0347, 78.6662, 91.0907



84.0682, 81.2125, 95.4476



78.3934, 78.0097, 82.4477



16.9046, 16.6447, 19.2443



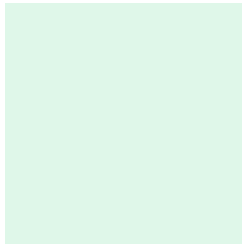
23.0249, 11.5534, 15.3715



2.0748, 1.0359, 1.6204

Previews

White Background



This preview shows how the XYZ color 78.4002, 88.0927, 89.9623 looks on a white background.

Color Contrast Check

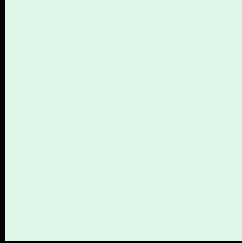
Large Text (above 18pt) WCAG AA × Fail

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 78.4002, 88.0927, 89.9623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

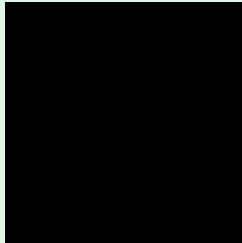
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

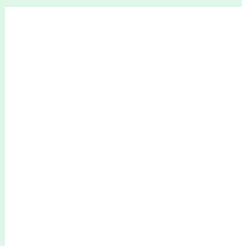
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4002, 88.0927, 89.9623

Background



This preview shows how black text looks on a background with the XYZ color 78.4002, 88.0927, 89.9623.



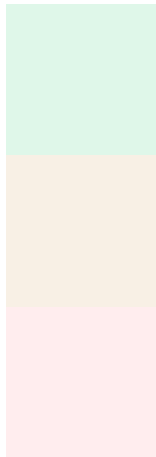
This preview shows how white text looks on a background with the XYZ color 78.4002, 88.0927,

89.9623.

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



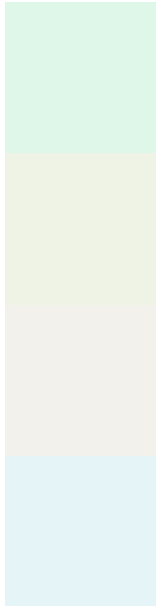
Original Color
78.4002, 88.0927, 89.9623
Protanopia
84.0143, 87.9338, 86.6736
Deuteranopia
86.9568, 88.0014, 93.2918



Tritanopia

83.0808, 87.8801, 107.1915

Trichromacy



Original Color

78.4002, 88.0927, 89.9623

Protanomaly

81.9301, 88.1651, 87.5623

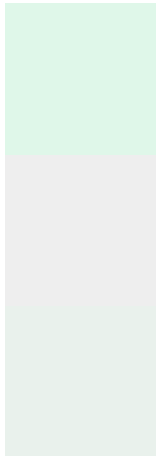
Deuteranomaly

83.5578, 88.0214, 91.9427

Tritanomaly

81.4523, 88.0748, 100.7028

Monochromacy



Original Color

78.4002, 88.0927, 89.9623

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.1999, 86.2904, 91.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4002, 88.0927, 89.9623 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 233) }
```

Border

The CSS property to change the border of an element to XYZ 78.4002, 88.0927, 89.9623 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, 233) }
```


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

```
.border{ border-color:rgb(223, 247, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4002, 88.0927, 89.9623 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, 233) }
```

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

```
.background{ background-color: rgb(223,  
247, 233) }
```

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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