

# Converting Colors

XYZ(78.8255, 88.2620, 90.0978)

Have a look what the booklet for  
XYZ(78.8255, 88.2620, 90.0978)  
contains.

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# Color

**XYZ(78.7092, 88.2520,  
89.9767)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0F7E9
RGB	224, 247, 233
RGB Percent	88%, 97%, 91%
CMY	0.1216, 0.0314, 0.0863
CMYK	0.09, 0.00, 0.06, 0.03
HSL	143°, 59%, 92%
HSV	143°, 9%, 97%
XYZ	78.7092, 88.2520, 89.9767
YIQ	238.5270, -9.2140, -9.2300

# Conversions

## Conversions Part 2

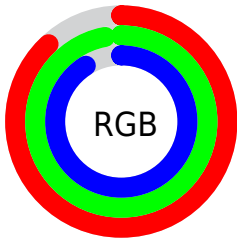
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 241, 247
Decimal	14743529
CIE Lab	95.27, -10.07, 4.16
CIE LCh	95, 10.892, 157.553
Yxy	88.2520, 0.3063, 0.3435
Android (android.graphics.Color)	4292933609 (0xFFE0F7E9)
YUV	238.5270, -2.7248, -12.7402
Hunter-Lab	93.9425, -14.8443, 8.9727

# Details

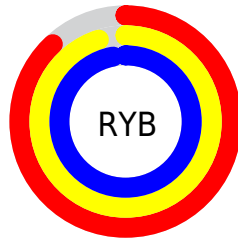
The XYZ color **78.7092, 88.2520, 89.9767** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4492, 79.2607, 91.9518**, and the grayscale version is **81.7042, 85.9591, 93.6095**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9288, 48.8709, 48.7654** is the 20% darker color. If you saturate the color by 10%, you get **69.5459, 83.7684, 78.8092**, and if you desaturate by 10%, it is **89.1725, 93.3896, 102.1643**.

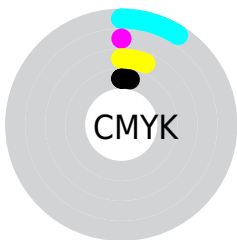
# Distribution



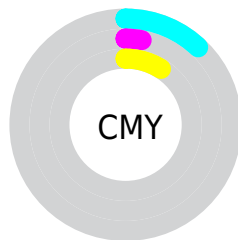
- Red (88%)
- Green (97%)
- Blue (91%)



- Red (88%)
- Yellow (95%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7092, 88.2520, 89.9767 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 78.7092, 88.2520, 89.9767 by changing the saturation by 10% instead.



78.7092, 88.2520,  
89.9767

78.7092, 88.2520,  
89.9767

479.3751,  
522.3281, 548.5232

58.9615, 66.5318,  
67.3877

130.5095,  
144.9079, 149.2413

42.8284, 48.7042,  
48.9362

163.2928,  
180.6125, 186.7539

29.9445, 34.3849,  
34.2036

201.1521,  
221.7472, 230.0782

19.9443, 23.1895,  
22.7714

244.4527,  
268.6966, 279.6327

12.4626, 14.7335,  
14.2211

293.5599,  
321.8450, 335.8359

7.1340, 8.6325,  
8.1341

348.8391,

3.5931, 4.5023,

381.5767, 399.1064

4.0919

410.6558,  
448.2763, 469.8626

■ 1.4746, 1.9583,  
1.6759

■ 0.3085, 0.5831,  
0.3441

■ 78.7092, 88.2520,  
89.9767

■ 78.7092, 88.2520,  
89.9767

■ 69.5459, 83.7684,  
78.8092

■ 89.1725, 93.3896,  
102.1643

■ 61.6231, 79.9011,  
68.6299

■ 92.5524, 95.0049,  
108.0675

■ 54.8872, 76.6256,  
59.4133

■ 49.2779, 73.9114,  
51.1309

■ 44.7293, 71.7251,  
43.7529

■ 41.1684, 70.0297,  
37.2474

■ 38.5122, 68.7831,  
31.5810

■ 36.6629, 67.9355,  
26.7175

■ 35.4728, 67.4115,  
22.6164

# Harmonies

## Analogous

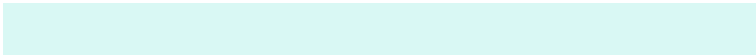
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4458, 88.2520, 83.6914



78.7092, 88.2520, 89.9767



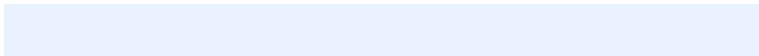
78.3423, 88.2520, 98.2588

# Triad

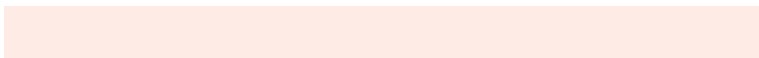
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7092, 88.2520, 89.9767



84.6343, 88.2520, 113.2463



88.4935, 88.2520, 86.4572

# Complementary

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



78.7092, 88.2520, 89.9767



80.4492, 79.2607, 91.9518

# 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.



89.6745, 88.2520, 93.9561



78.7092, 88.2520, 89.9767



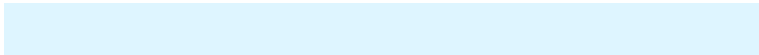
87.4124, 88.2520, 109.6595

# Square

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



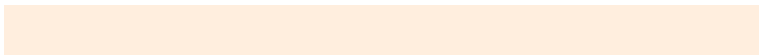
78.7092, 88.2520, 89.9767



81.7177, 88.2520, 112.0256



89.2743, 88.2520, 102.4771



86.0819, 88.2520, 81.7447

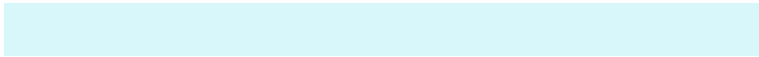


# Rectangle

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



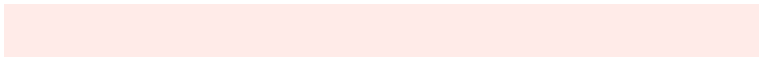
78.7092, 88.2520, 89.9767



78.9156, 88.2520, 103.8627



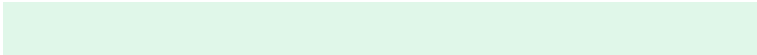
89.2743, 88.2520, 102.4771



89.0502, 88.2520, 88.7178

# Sweetspot

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



78.7117, 88.2557, 89.9786



91.5505, 98.2815, 104.8697



82.0401, 90.1164, 83.5924



19.4001, 20.9403, 22.2195



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

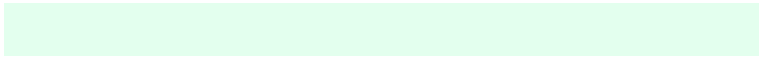


# Same Dimension

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



78.7117, 88.2557, 89.9786



82.8443, 94.0114, 94.6103



80.3815, 88.9237, 98.7717



16.5507, 18.5794, 18.9181



18.7875, 35.6598, 12.1667



1.7002, 3.1537, 1.3269



# Inverse Universe

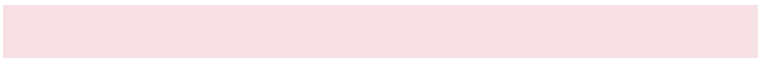
The Inverse Universe completely reimagines the original color for something new.



80.4492, 79.2607, 91.9518



85.0284, 82.7040, 97.0903



78.8376, 78.6161, 83.4649



16.9230, 16.6520, 19.3409



23.2848, 11.6574, 16.7402

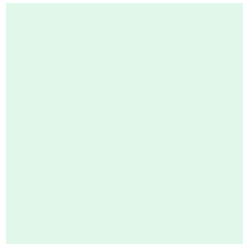


2.0969, 1.0447, 1.7366



# Previews

## White Background



This preview shows how the XYZ color 78.7092, 88.2520, 89.9767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

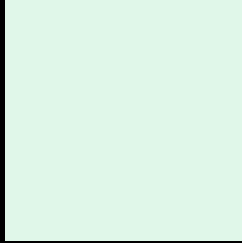
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7092, 88.2520, 89.9767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

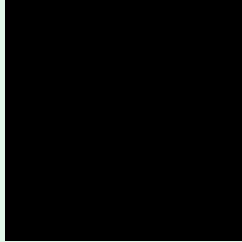
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

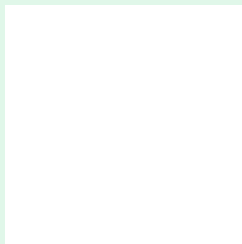
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.7092, 88.2520, 89.9767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.7092, 88.2520, 89.9767.



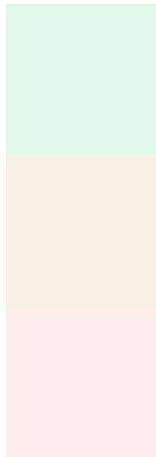
This preview shows how white text looks on a background with the XYZ color 78.7092, 88.2520,

89.9767.

# 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

78.7092, 88.2520, 89.9767

### Protanopia

84.0143, 87.9338, 86.6736

### Deuteranopia

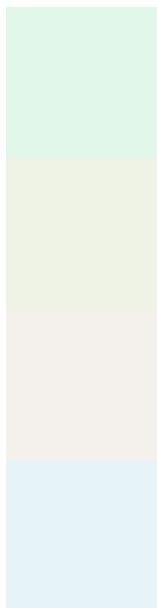
86.9568, 88.0014, 93.2918



## Tritanopia

83.4064, 88.0479, 107.2067

# Trichromacy



## Original Color

78.7092, 88.2520, 89.9767

## Protanomaly

81.9301, 88.1651, 87.5623

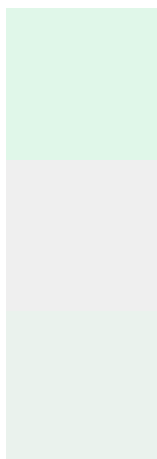
## Deuteranomaly

83.9038, 88.1998, 91.9589

## Tritanomaly

81.7723, 88.2398, 100.7178

# Monochromacy



## Original Color

78.7092, 88.2520, 89.9767

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.9699, 87.1111, 92.6673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7092, 88.2520, 89.9767 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(224, 247, 233)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 247, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7092, 88.2520, 89.9767 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(224, 247, 233) }
```



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

```
.border{ border-color:rgb(224, 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(224, 247, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 233);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7092, 88.2520, 89.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 233) }
```

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

```
.background{ background-color: rgb(224,  
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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