

Converting Colors

XYZ(78.0042, 87.1812, 89.7304)

Have a look what the booklet for
XYZ(78.0042, 87.1812, 89.7304)
contains.

XYZ(77.7918, 86.8760, 89.7595) 3

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Color

**XYZ(77.7918, 86.8760,
89.7595)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF5E9
RGB	223, 245, 233
RGB Percent	87%, 96%, 91%
CMY	0.1255, 0.0392, 0.0863
CMYK	0.09, 0.00, 0.05, 0.04
HSL	147°, 52%, 92%
HSV	147°, 9%, 96%
XYZ	77.7918, 86.8760, 89.7595
YIQ	237.0540, -9.2600, -8.3960

Conversions

Conversions Part 2

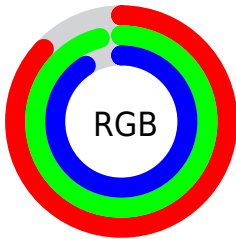
Format	Color
R _Y B	223, 238, 245
Decimal	14677481
CIE Lab	94.69, -9.39, 3.31
CIE LCh	95, 9.957, 160.599
Yxy	86.8760, 0.3058, 0.3415
Android (android.graphics.Color)	4292867561 (0xFFDFF5E9)
YUV	237.0540, -1.9986, -12.3254
Hunter-Lab	93.2073, -14.1348, 8.1483

Details

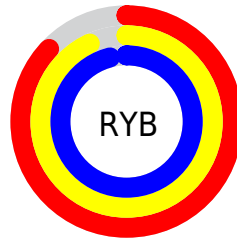
The XYZ color **77.7918, 86.8760, 89.7595** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.0424, 78.1881, 89.5271**, and the grayscale version is **80.5599, 84.7553, 92.2985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2819, 47.8943, 48.6110** is the 20% darker color. If you saturate the color by 10%, you get **68.9452, 82.5302, 79.7539**, and if you desaturate by 10%, it is **87.8802, 91.8502, 100.5819**.

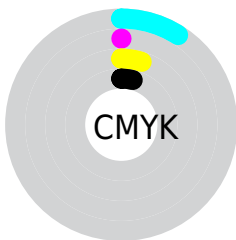
Distribution



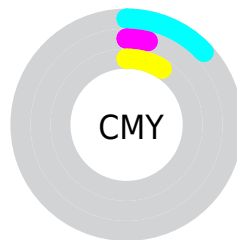
- Red (87%)
- Green (96%)
- Blue (91%)



- Red (87%)
- Yellow (93%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7918, 86.8760, 89.7595 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 77.7918, 86.8760, 89.7595 by changing the saturation by 10% instead.

77.7918, 86.8760,
89.7595

77.7918, 86.8760,
89.7595

476.3101,
517.8153, 547.7981

58.2052, 65.3926,
67.2086

129.2235,
142.9913, 148.9369

42.2175, 47.7795,
48.7915

161.7993,
178.3920, 186.4004

29.4635, 33.6523,
34.0897

199.4355,
219.2005, 229.6720

19.5778, 22.6266,
22.6846

242.4974,
265.8014, 279.1700

12.1950, 14.3180,
14.1577

291.3505,
318.5789, 335.3131

6.9497, 8.3422,
8.0904

346.3601,

3.4767, 4.3147,

377.9174, 398.5198

4.0643

407.8915,
444.2014, 469.2086

■ 1.4106, 1.8511,
1.6607

■ 0.2638, 0.5187,
0.3336

■ 77.7918, 86.8760,
89.7595

■ 77.7918, 86.8760,
89.7595

■ 68.9452, 82.5302,
79.7539

■ 87.8802, 91.8502,
100.5819

■ 61.2832, 78.7763,
70.5403

■ 91.9441, 93.7882,
107.8647

■ 54.7549, 75.5909,
62.1010

■ 49.3028, 72.9446,
54.4154

■ 44.8638, 70.8056,
47.4621

■ 41.3683, 69.1381,
41.2184

■ 38.7371, 67.9020,
35.6605

■ 36.8768, 67.0495,
30.7627

■ 35.6497, 66.5100,
26.4963

Harmonies

Analogous

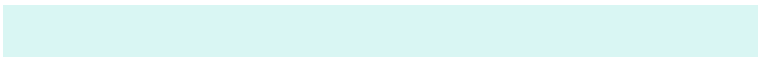
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2540, 86.8760, 83.7901



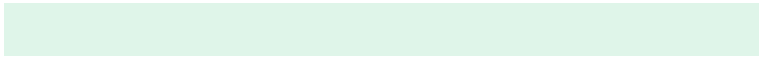
77.7918, 86.8760, 89.7595



77.5946, 86.8760, 97.3430

Triad

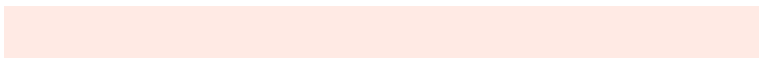
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7918, 86.8760, 89.7595



83.5277, 86.8760, 109.9067



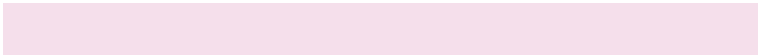
86.5612, 86.8760, 85.2808

Complementary

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



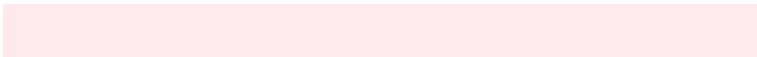
77.7918, 86.8760, 89.7595



79.0424, 78.1881, 89.5271

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.



87.7600, 86.8760, 91.8956



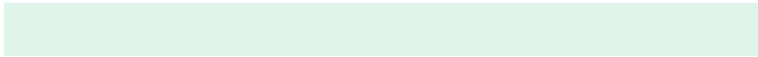
77.7918, 86.8760, 89.7595



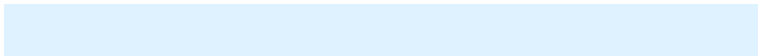
85.9835, 86.8760, 106.2871

Square

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



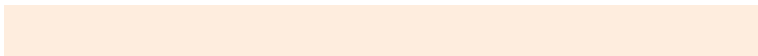
77.7918, 86.8760, 89.7595



80.8675, 86.8760, 109.2580



87.5463, 86.8760, 99.5974



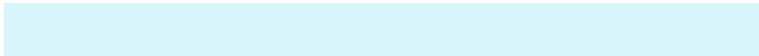
84.3023, 86.8760, 81.3030

Rectangle

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



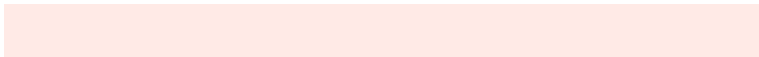
77.7918, 86.8760, 89.7595



78.2023, 86.8760, 102.3324



87.5463, 86.8760, 99.5974



87.1037, 86.8760, 87.2544

Sweetspot

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



77.7942, 86.8797, 89.7614



91.6266, 98.3120, 105.2705



80.2688, 88.3158, 82.6292



19.4206, 20.9485, 22.3276



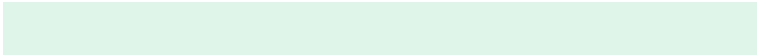
0.0000, 0.0000, 0.0000



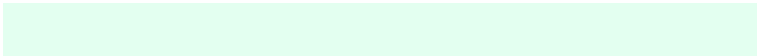
20.3446, 21.4041, 23.3091

Same Dimension

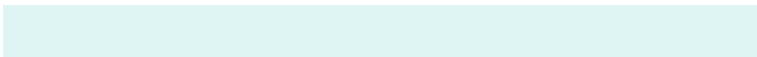
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7942, 86.8797, 89.7614



83.1061, 94.1161, 95.9891



79.4008, 87.5223, 98.2212



16.5954, 18.5973, 19.1535



19.2144, 35.8306, 14.4146



1.7399, 3.1696, 1.5362

Inverse Universe

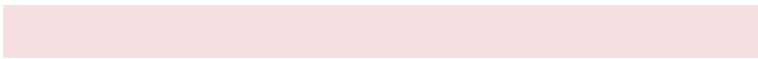
The Inverse Universe completely reimagines the original color for something new.



79.0424, 78.1881, 89.5271



84.7603, 82.5968, 95.6784



77.5146, 77.5770, 81.4818



16.8773, 16.6338, 19.1006



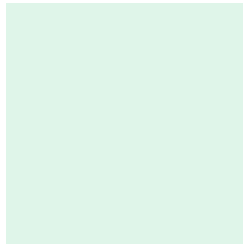
22.6622, 11.4083, 13.4612



2.0436, 1.0234, 1.4560

Previews

White Background



This preview shows how the XYZ color 77.7918, 86.8760, 89.7595 looks on a white background.

Color Contrast Check

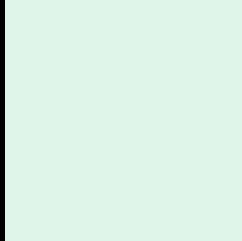
Large Text (above 18pt) WCAG AA × Fail

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 77.7918, 86.8760, 89.7595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

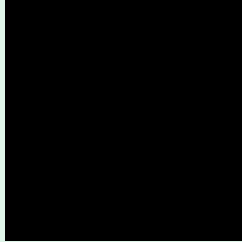
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

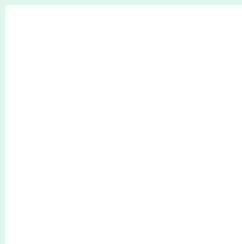
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7918, 86.8760, 89.7595

Background



This preview shows how black text looks on a background with the XYZ color 77.7918, 86.8760, 89.7595.



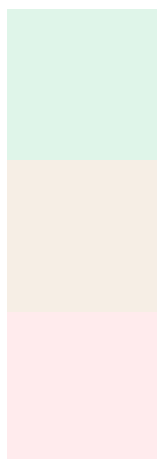
This preview shows how white text looks on a background with the XYZ color 77.7918, 86.8760,

89.7595.

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

77.7918, 86.8760, 89.7595

Protanopia

82.7234, 86.3990, 86.4454

Deuteranopia

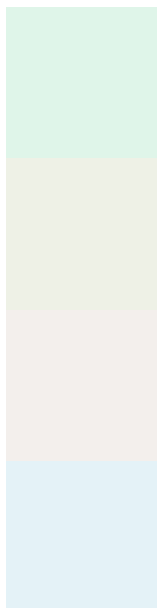
86.2344, 86.7911, 92.3281



Tritanopia

82.4603, 87.1195, 107.0774

Trichromacy



Original Color

77.7918, 86.8760, 89.7595

Protanomaly

80.9981, 86.8009, 87.3481

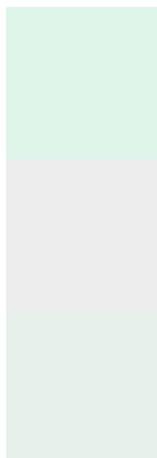
Deuteranomaly

82.9690, 86.8438, 91.7465

Tritanomaly

80.5355, 86.7136, 100.4884

Monochromacy



Original Color

77.7918, 86.8760, 89.7595

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.5791, 85.5321, 91.6720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7918, 86.8760, 89.7595 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, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 245, 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, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 245, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.7918, 86.8760, 89.7595 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, 245, 233) }
```


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

```
.border{ border-color:rgb(223, 245, 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, 245, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 245,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7918, 86.8760, 89.7595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 245, 233) }
```

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

```
.background{ background-color: rgb(223,  
245, 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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