

Converting Colors

XYZ(78.0597, 88.4090, 74.9899)

Have a look what the booklet for
XYZ(78.0597, 88.4090, 74.9899)
contains.

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Color

**XYZ(78.0994, 88.2639,
75.2077)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F7D4
RGB	231, 247, 212
RGB Percent	91%, 97%, 83%
CMY	0.0941, 0.0313, 0.1686
CMYK	0.06, 0.00, 0.14, 0.03
HSL	87°, 69%, 90%
HSV	87°, 14%, 97%
XYZ	78.0994, 88.2639, 75.2077
YIQ	238.2260, 1.6990, -14.2770

Conversions

Conversions Part 2

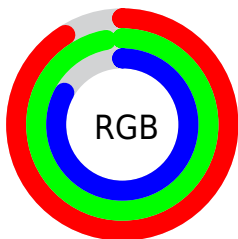
Format	Color
R_{YB}	212, 247, 228
Decimal	15202260
CIE Lab	95.27, -11.30, 15.06
CIE LCh	95, 18.827, 126.899
Yxy	88.2639, 0.3233, 0.3654
Android (android.graphics.Color)	4293392340 (0xFFE7F7D4)
YUV	238.2260, -12.9294, -6.3372
Hunter-Lab	93.9489, -16.0240, 18.3015

Details

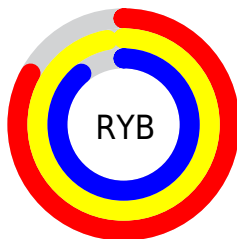
The XYZ color **78.0994, 88.2639, 75.2077** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.3304, 70.2988, 97.7572**, and the grayscale version is **81.5412, 85.7877, 93.4228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3958, 48.8099, 39.0850** is the 20% darker color. If you saturate the color by 10%, you get **71.6911, 85.2958, 59.8683**, and if you desaturate by 10%, it is **85.2244, 91.5516, 93.0725**.

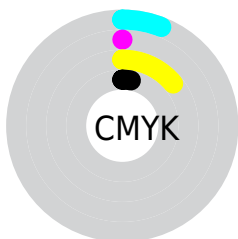
Distribution



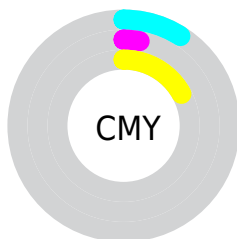
- Red (91%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)



- Cyan (9%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0994, 88.2639, 75.2077 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 78.0994, 88.2639, 75.2077 by changing the saturation by 10% instead.

78.0994, 88.2639,
75.2077

78.0994, 88.2639,
75.2077

477.3390,
522.3671, 497.9056

58.4587, 66.5416,
55.2803

129.6549,
144.9245, 128.3561

42.4222, 48.7122,
39.2261

162.3003,
180.6316, 162.4142

29.6246, 34.3913,
26.6265

200.0114,
221.7692, 202.0197

19.7005, 23.1943,
17.0629

243.1535,
268.7216, 247.5910

12.2845, 14.7371,
10.1169

292.0920,
321.8731, 299.5467

7.0113, 8.6351,
5.3699

347.1921,

3.5156, 4.5039,

381.6083, 358.3053

2.4034

408.8194,
448.3115, 424.2855

■ 1.4319, 1.9593,
0.7883

■ 0.2788, 0.5836,
0.0000

■ 78.0994, 88.2639,
75.2077

■ 78.0994, 88.2639,
75.2077

■ 71.6911, 85.2958,
59.8683

■ 85.2244, 91.5516,
93.0725

■ 65.9665, 82.6250,
46.9345

■ 92.0352, 94.7384,
108.0433

■ 60.9001, 80.2436,
36.2857

■ 92.5525, 95.0051,
108.0675

■ 56.4618, 78.1391,
27.7883

■ 52.6191, 76.2979,
21.2949

■ 49.3353, 74.7046,
16.6397

■ 46.5689, 73.3422,
13.6300

■ 44.2697, 72.1900,
12.0306

■ 43.1049, 71.5990,
11.5481

Harmonies

Analogous

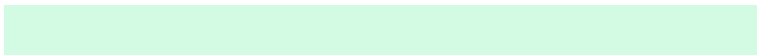
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7111, 88.2639, 70.6637



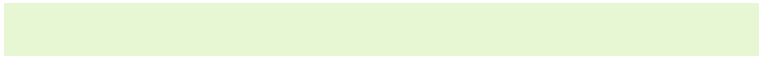
78.0994, 88.2639, 75.2077



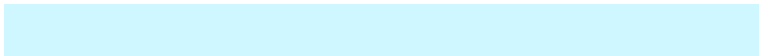
75.1294, 88.2639, 85.4254

Triad

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



78.0994, 88.2639, 75.2077



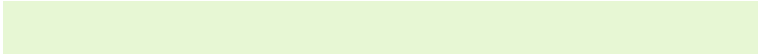
80.0755, 88.2639, 124.5485



94.0869, 88.2639, 92.7457

Complementary

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



78.0994, 88.2639, 75.2077



72.3304, 70.2988, 97.7572

Split Complementary

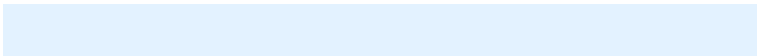
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3112, 88.2639, 107.6382



78.0994, 88.2639, 75.2077



85.0845, 88.2639, 127.0179

Square

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



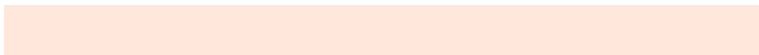
78.0994, 88.2639, 75.2077



76.2373, 88.2639, 114.1123



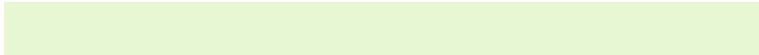
89.9646, 88.2639, 120.5523



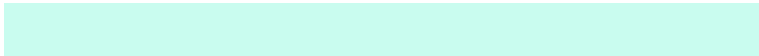
92.0431, 88.2639, 80.0983

Rectangle

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



78.0994, 88.2639, 75.2077



74.4091, 88.2639, 94.5819



89.9646, 88.2639, 120.5523



94.1485, 88.2639, 97.6431

Sweetspot

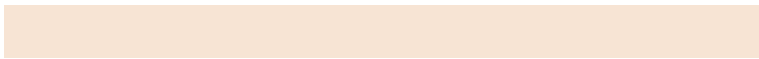
The Sweet Spot groups the original color and five complimentary colors.



78.1018, 88.2677, 75.2096



91.7559, 98.4865, 100.4000



77.9194, 79.8801, 73.6003



19.5100, 21.0206, 21.1585



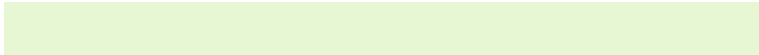
0.0000, 0.0000, 0.0000



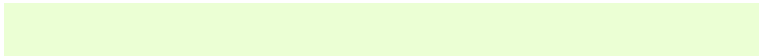
20.3446, 21.4041, 23.3091

Same Dimension

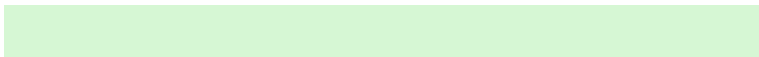
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1018, 88.2677, 75.2096



81.9197, 93.9485, 75.8724



72.8057, 85.5375, 74.9618



17.1417, 18.9151, 17.5451



22.9615, 37.9499, 6.1149



2.1365, 3.3965, 0.5430

Inverse Universe

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



72.3304, 70.2988, 97.7572



74.6133, 71.1995, 104.4181



78.0788, 73.2622, 98.0262



16.3010, 16.2978, 20.8292



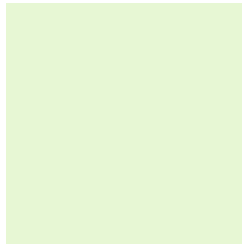
12.6355, 5.4881, 46.9314



1.2275, 0.5427, 4.1303

Previews

White Background



This preview shows how the XYZ color 78.0994, 88.2639, 75.2077 looks on a white background.

Color Contrast Check

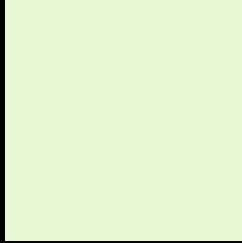
Large Text (above 18pt) WCAG AA × Fail

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 78.0994, 88.2639, 75.2077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

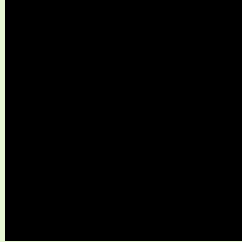
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

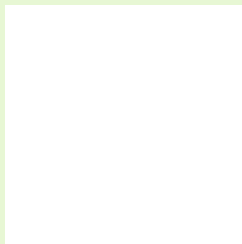
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0994, 88.2639, 75.2077

Background



This preview shows how black text looks on a background with the XYZ color 78.0994, 88.2639, 75.2077.

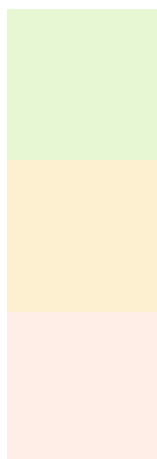


This preview shows how white text looks on a background with the XYZ color 78.0994, 88.2639,

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

78.0994, 88.2639, 75.2077

Protanopia

83.1767, 87.8063, 72.8860

Deuteranopia

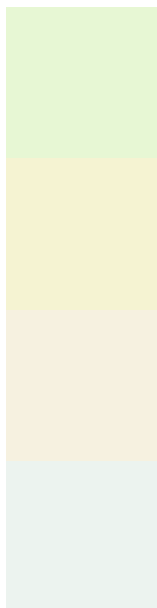
86.2383, 88.1786, 88.0762



Tritanopia

85.1019, 88.4813, 107.2010

Trichromacy



Original Color

78.0994, 88.2639, 75.2077

Protanomaly

81.3396, 88.1668, 73.7036

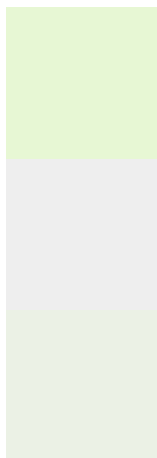
Deuteranomaly

82.9159, 87.8852, 83.1144

Tritanomaly

82.2227, 88.1660, 94.3455

Monochromacy



Original Color

78.0994, 88.2639, 75.2077

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.8591, 86.2299, 86.5638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0994, 88.2639, 75.2077 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(231, 247, 212)` looks like.

```
.text, #text, p{  
    color:rgb(231, 247, 212)  
}
```

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(231, 247, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 247, 212) }
```

Border

The CSS property to change the border of an element to XYZ 78.0994, 88.2639, 75.2077 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(231, 247, 212) }
```


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

```
.border{ border-color:rgb(231, 247, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 247, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 247, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 247, 212);  
box-shadow:4px 4px 4px 4px rgb(231, 247,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0994, 88.2639, 75.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 247, 212) }
```

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

```
.background{ background-color: rgb(231,  
247, 212) }
```

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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