

Converting Colors

XYZ(78.8164, 88.0138, 81.1581)

Have a look what the booklet for
XYZ(78.8164, 88.0138, 81.1581)
contains.

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Color

**XYZ(78.9619, 88.1209,
81.2539)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F6DD
RGB	231, 246, 221
RGB Percent	91%, 96%, 87%
CMY	0.0941, 0.0353, 0.1333
CMYK	0.06, 0.00, 0.10, 0.04
HSL	96°, 58%, 92%
HSV	96°, 10%, 96%
XYZ	78.9619, 88.1209, 81.2539
YIQ	238.6650, -0.9150, -10.9550

Conversions

Conversions Part 2

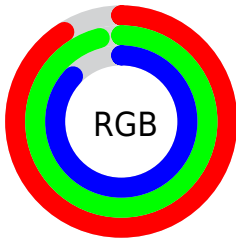
Format	Color
R_{YB}	221, 246, 236
Decimal	15202013
CIE _{Lab}	95.21, -9.33, 10.34
CIE _{LCh}	95, 13.922, 132.062
Yxy	88.1209, 0.3180, 0.3548
Android (android.graphics.Color)	4293392093 (0xFFE7F6DD)
YUV	238.6650, -8.7088, -6.7222
Hunter-Lab	93.8727, -14.1304, 14.3910

Details

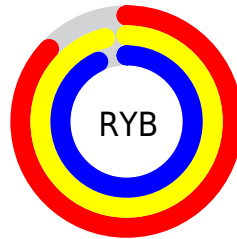
The XYZ color **78.9619, 88.1209, 81.2539** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.0865, 76.2020, 97.8389**, and the grayscale version is **81.8518, 86.1144, 93.7786**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9756, 48.6940, 43.2102** is the 20% darker color. If you saturate the color by 10%, you get **71.3566, 84.5542, 65.0240**, and if you desaturate by 10%, it is **87.4543, 92.0946, 100.0359**.

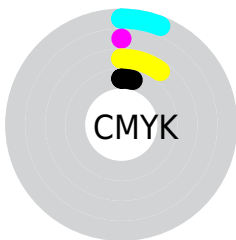
Distribution



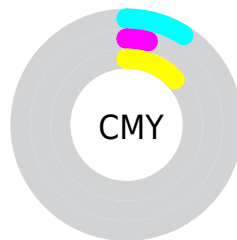
- Red (91%)
- Green (96%)
- Blue (87%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9619, 88.1209, 81.2539 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 78.9619, 88.1209, 81.2539 by changing the saturation by 10% instead.

78.9619, 88.1209,
81.2539

78.9619, 88.1209,
81.2539

480.2174,
521.8991, 518.9664

59.1700, 66.4232,
60.2185

130.8634,
144.7255, 136.9545

42.9969, 48.6160,
43.1683

163.7038,
180.4011, 172.4568

30.0772, 34.3150,
29.6848

201.6243,
221.5049, 213.6184

20.0455, 23.1357,
19.3495

244.9904,
268.4211, 260.8580

12.5366, 14.6937,
11.7437

294.1674,
321.5343, 314.5941

7.1850, 8.6047,
6.4490

349.5207,

3.6254, 4.4843,

381.2287, 375.2451

3.0468

411.4156,
447.8889, 443.2297

■ 1.4925, 1.9480,
1.1186

■ 0.3207, 0.5770,
0.0000

■ 78.9619, 88.1209,
81.2539

■ 78.9619, 88.1209,
81.2539

■ 71.3566, 84.5542,
65.0240

■ 87.4543, 92.0946,
100.0359

■ 64.6005, 81.3696,
51.2305

■ 92.2475, 94.3950,
107.9658

■ 58.6633, 78.5566,
39.7572

■ 53.5103, 76.1002,
30.4763

■ 49.1036, 73.9840,
23.2473

■ 45.4021, 72.1900,
17.9139

■ 42.3593, 70.6983,
14.2970

■ 39.9219, 69.4860,
12.1830

■ 38.0358, 68.5330,
11.2235

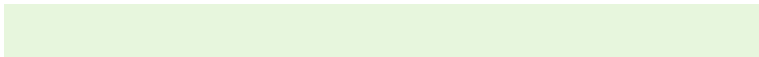
Harmonies

Analogous

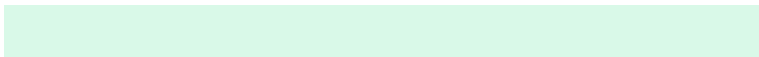
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2405, 88.1209, 76.9274



78.9619, 88.1209, 81.2539



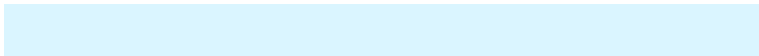
77.0036, 88.1209, 89.6549

Triad

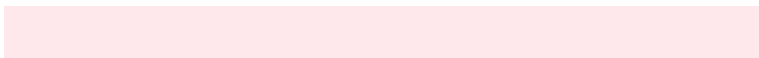
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9619, 88.1209, 81.2539



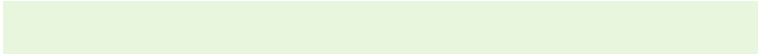
81.5288, 88.1209, 117.2374



91.0973, 88.1209, 91.6471

Complementary

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



78.9619, 88.1209, 81.2539



77.0865, 76.2020, 97.8389

Split Complementary

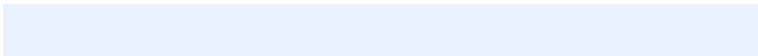
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8927, 88.1209, 102.5304



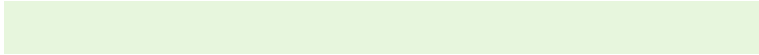
78.9619, 88.1209, 81.2539



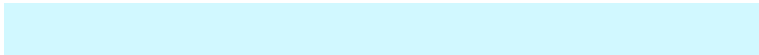
85.2905, 88.1209, 117.8723

Square

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



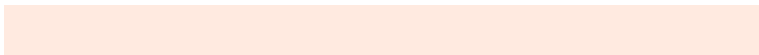
78.9619, 88.1209, 81.2539



78.4545, 88.1209, 110.6422



88.7409, 88.1209, 112.3162



89.2917, 88.1209, 82.6173

Rectangle

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



78.9619, 88.1209, 81.2539



76.6731, 88.1209, 96.7027



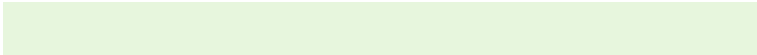
88.7409, 88.1209, 112.3162



91.2628, 88.1209, 95.1985

Sweetspot

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



78.9643, 88.1247, 81.2558



92.1738, 98.6567, 102.4637



81.0561, 84.8077, 80.5053



19.5677, 21.0412, 21.5726



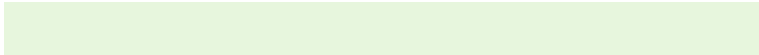
0.0000, 0.0000, 0.0000



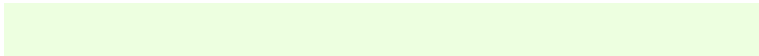
20.3446, 21.4041, 23.3091

Same Dimension

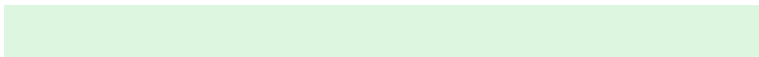
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9643, 88.1247, 81.2558



84.0730, 94.8657, 84.6856



76.1640, 86.6423, 82.8770



16.9094, 18.7953, 17.5342



20.4489, 36.6546, 5.9973



1.9099, 3.2796, 0.5324

Inverse Universe

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



77.0865, 76.2020, 97.8389



81.6935, 79.7590, 105.6971



80.1191, 77.8094, 95.9907



16.5351, 16.4185, 20.8402



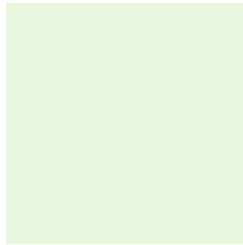
15.5236, 6.9770, 47.0665



1.4801, 0.6729, 4.1421

Previews

White Background



This preview shows how the XYZ color 78.9619, 88.1209, 81.2539 looks on a white background.

Color Contrast Check

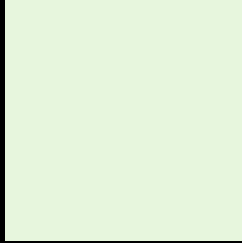
Large Text (above 18pt) WCAG AA × Fail

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 78.9619, 88.1209, 81.2539 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

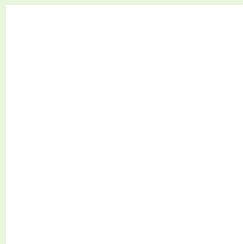
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.9619, 88.1209, 81.2539

Background



This preview shows how black text looks on a background with the XYZ color 78.9619, 88.1209, 81.2539.



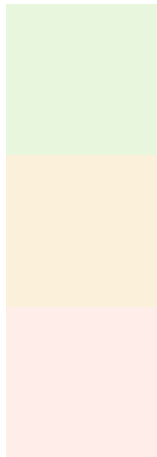
This preview shows how white text looks on a background with the XYZ color 78.9619, 88.1209,

81.2539.

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

78.9619, 88.1209, 81.2539

Protanopia

83.5986, 87.8914, 78.8883

Deuteranopia

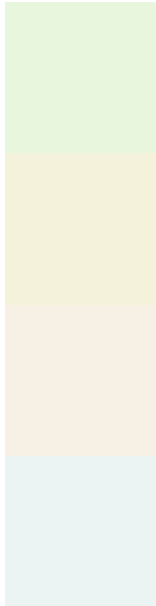
86.2322, 87.7116, 89.4759



Tritanopia

84.7652, 88.3077, 107.1852

Trichromacy



Original Color

78.9619, 88.1209, 81.2539

Protanomaly

81.8465, 87.8518, 79.6612

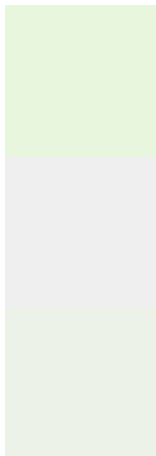
Deuteranomaly

83.3090, 87.5701, 86.6406

Tritanomaly

82.4892, 88.2344, 97.4773

Monochromacy



Original Color

78.9619, 88.1209, 81.2539

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.9097, 87.1633, 88.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9619, 88.1209, 81.2539 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, 246, 221)` looks like.

```
.text, #text, p{  
    color:rgb(231, 246, 221)  
}
```

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, 246, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 246, 221) }
```

Border

The CSS property to change the border of an element to XYZ 78.9619, 88.1209, 81.2539 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, 246, 221) }
```


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

```
.border{ border-color:rgb(231, 246, 221) }
```

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

Here you see how a box with a 4 pixel rgb(231, 246, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 246, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 246, 221);  
box-shadow:4px 4px 4px 4px rgb(231, 246,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9619, 88.1209, 81.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 246, 221) }
```

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

```
.background{ background-color: rgb(231,  
246, 221) }
```

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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