

Converting Colors

XYZ(81.8270, 90.2487, 96.9263)

Have a look what the booklet for
XYZ(81.8270, 90.2487, 96.9263)
contains.

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Color

**XYZ(81.9075, 90.2036,
97.0985)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F8F2
RGB	229, 248, 242
RGB Percent	90%, 97%, 95%
CMY	0.1020, 0.0274, 0.0510
CMYK	0.08, 0.00, 0.02, 0.03
HSL	161°, 58%, 94%
HSV	161°, 8%, 97%
XYZ	81.9075, 90.2036, 97.0985
YIQ	241.6350, -9.3980, -5.8940

Conversions

Conversions Part 2

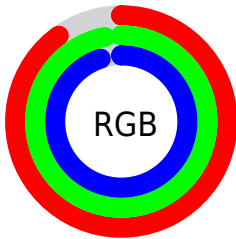
Format	Color
R _Y B	229, 240, 248
Decimal	15071474
CIE Lab	96.08, -7.30, 0.74
CIE LCh	96, 7.337, 174.243
Yxy	90.2036, 0.3043, 0.3351
Android (android.graphics.Color)	4293261554 (0xFFE5F8F2)
YUV	241.6350, 0.1799, -11.0809
Hunter-Lab	94.9756, -12.2678, 5.8676

Details

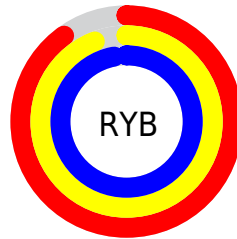
The XYZ color **81.9075, 90.2036, 97.0985** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7294, 81.9956, 90.1205**, and the grayscale version is **84.1157, 88.4963, 96.3724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9461, 50.1287, 53.7613** is the 20% darker color. If you saturate the color by 10%, you get **73.4014, 85.9541, 90.6897**, and if you desaturate by 10%, it is **91.5996, 95.0637, 103.8297**.

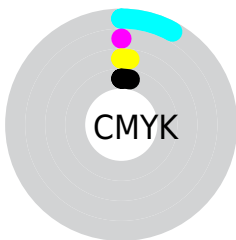
Distribution



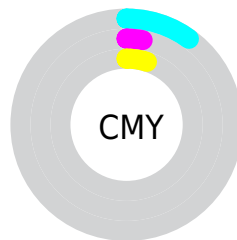
- Red (90%)
- Green (97%)
- Blue (95%)



- Red (90%)
- Yellow (94%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)



- Cyan (10%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9075, 90.2036, 97.0985 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 81.9075, 90.2036, 97.0985 by changing the saturation by 10% instead.

81.9075, 90.2036,
97.0985

81.9075, 90.2036,
97.0985

489.9774,
528.6929, 572.0166

61.6031, 68.1495,
73.2763

134.9808,
147.6212, 159.1810

44.9665, 50.0194,
53.7087

168.4804,
183.7535, 198.2784

31.6322, 35.4288,
37.9772

207.1092,
225.3473, 243.3046

21.2349, 23.9934,
25.6633

251.2324,
272.7870, 294.6781

13.4093, 15.3287,
16.3484

301.2155,
326.4570, 352.8176

7.7899, 9.0504,
9.6140

357.4238,

4.0115, 4.7741,

386.7418, 418.1414

5.0416

420.2227,
454.0256, 491.0682

■ 1.7086, 2.1153,
2.2125

■ 0.4617, 0.6732,
0.6816

■ 81.9075, 90.2036,
97.0985

■ 81.9075, 90.2036,
97.0985

■ 73.4014, 85.9541,
90.6897

■ 91.5996, 95.0637,
103.8297

■ 66.0253, 82.2789,
84.5919

■ 92.8591, 95.6182,
108.1697

■ 59.7300, 79.1553,
78.8013

■ 54.4598, 76.5544,
73.3120

■ 50.1535, 74.4449,
68.1176

■ 46.7435, 72.7921,
63.2114

■ 44.1529, 71.5563,
58.5862

■ 42.2914, 70.6910,
54.2342

■ 41.0388, 70.1345,
50.1460

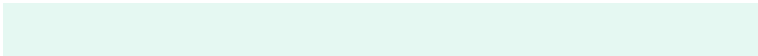
Harmonies

Analogous

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



82.6046, 90.2036, 91.8229



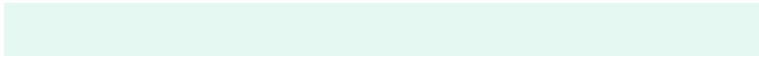
81.9075, 90.2036, 97.0985



82.2230, 90.2036, 102.8823

Triad

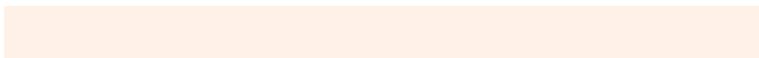
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9075, 90.2036, 97.0985



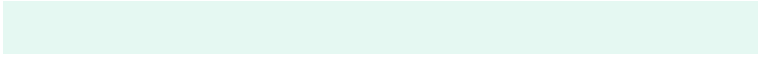
87.3499, 90.2036, 108.7748



88.0388, 90.2036, 89.4143

Complementary

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



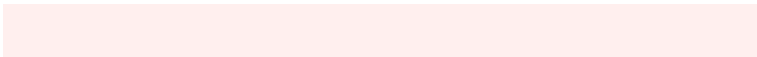
81.9075, 90.2036, 97.0985



81.7294, 81.9956, 90.1205

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.



89.3473, 90.2036, 93.6938



81.9075, 90.2036, 97.0985



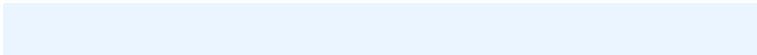
88.9452, 90.2036, 104.9000

Square

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



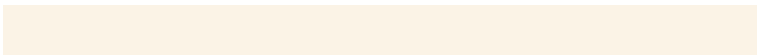
81.9075, 90.2036, 97.0985



85.3446, 90.2036, 109.7736



89.6816, 90.2036, 99.3428



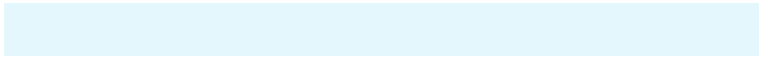
86.1282, 90.2036, 87.5002

Rectangle

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



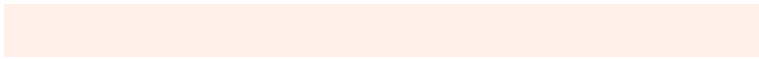
81.9075, 90.2036, 97.0985



82.9676, 90.2036, 106.2308



89.6816, 90.2036, 99.3428



88.5649, 90.2036, 90.6155

Sweetspot

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



81.9101, 90.2074, 97.1005



92.9402, 98.9422, 107.4529



81.9796, 90.4610, 87.2700



19.9151, 21.1888, 23.0146



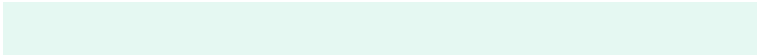
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



81.9101, 90.2074, 97.1005



85.9594, 95.4460, 102.4957



81.7656, 88.4516, 101.5748



17.5188, 19.5098, 20.9324



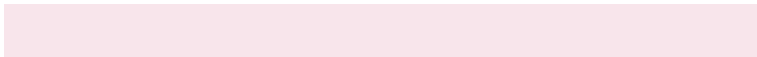
22.1013, 37.8535, 26.9403



2.0950, 3.5251, 2.7479

Inverse Universe

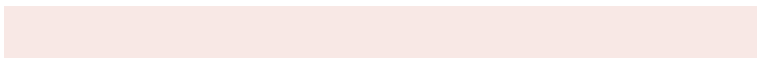
The Inverse Universe completely reimagines the original color for something new.



81.7294, 81.9956, 90.1205



85.7351, 85.2511, 93.8306



81.8500, 83.6018, 85.9529



17.4705, 17.3156, 19.0674



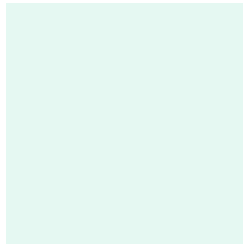
21.7174, 11.1027, 5.2201



2.0572, 1.0466, 0.7248

Previews

White Background



This preview shows how the XYZ color 81.9075, 90.2036, 97.0985 looks on a white background.

Color Contrast Check

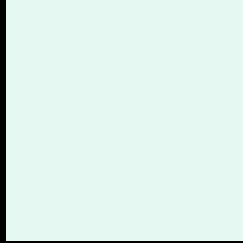
Large Text (above 18pt) WCAG AA × Fail

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 81.9075, 90.2036, 97.0985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

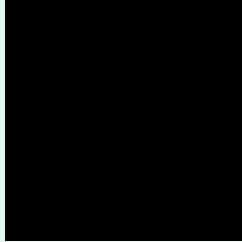
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

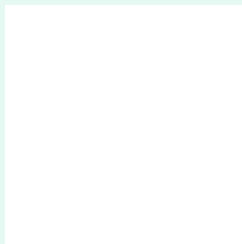
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9075, 90.2036, 97.0985

Background



This preview shows how black text looks on a background with the XYZ color 81.9075, 90.2036, 97.0985.



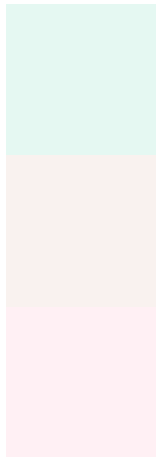
This preview shows how white text looks on a background with the XYZ color 81.9075, 90.2036,

97.0985.

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

81.9075, 90.2036, 97.0985

Protanopia

86.3990, 89.8760, 94.4554

Deuteranopia

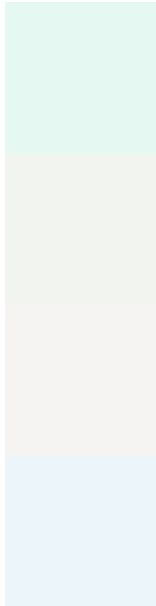
88.7292, 90.1118, 98.3047



Tritanopia

85.6606, 90.0985, 107.4837

Trichromacy



Original Color

81.9075, 90.2036, 97.0985

Protanomaly

84.6968, 89.8699, 95.3207

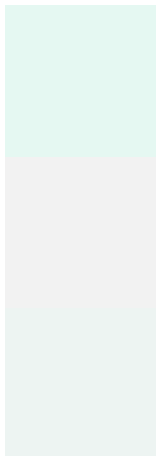
Deuteranomaly

86.2343, 90.1651, 97.6526

Tritanomaly

84.1687, 89.8691, 103.3528

Monochromacy



Original Color

81.9075, 90.2036, 97.0985

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.3027, 89.1167, 96.8151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9075, 90.2036, 97.0985 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(229, 248, 242)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 242)  
}
```

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(229, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 242) }
```

Border

The CSS property to change the border of an element to XYZ 81.9075, 90.2036, 97.0985 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(229, 248, 242) }
```


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

```
.border{ border-color:rgb(229, 248, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 248, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 248, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 248, 242);  
box-shadow:4px 4px 4px 4px rgb(229, 248,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9075, 90.2036, 97.0985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 242) }
```

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

```
.background{ background-color: rgb(229,  
248, 242) }
```

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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