

Converting Colors

XYZ(81.5685, 87.7538,
105.1096)

Have a look what the booklet for
XYZ(81.5685, 87.7538, 105.1096)
contains.

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Color

**XYZ(81.2998, 87.4604,
104.6920)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F3FC
RGB	227, 243, 252
RGB Percent	89%, 95%, 99%
CMY	0.1098, 0.0470, 0.0118
CMYK	0.10, 0.04, 0.00, 0.01
HSL	202°, 81%, 94%
HSV	202°, 10%, 99%
XYZ	81.2998, 87.4604, 104.6920
YIQ	239.2420, -12.4250, -0.5930

Conversions

Conversions Part 2

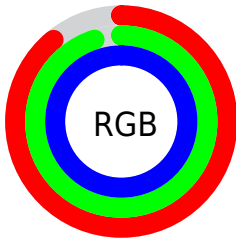
Format	Color
R _Y B	227, 237, 252
Decimal	14939132
CIE Lab	94.93, -3.53, -6.14
CIE LCh	95, 7.080, 240.073
Yxy	87.4604, 0.2973, 0.3198
Android (android.graphics.Color)	4293129212 (0xFFE3F3FC)
YUV	239.2420, 6.2897, -10.7362
Hunter-Lab	93.5203, -8.4854, -0.9085

Details

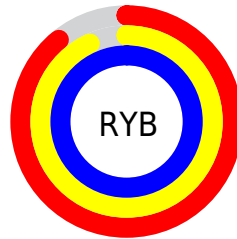
The XYZ color **81.2998, 87.4604, 104.6920** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0057, 86.2316, 84.8912**, and the grayscale version is **82.1941, 86.4746, 94.1709**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6339, 48.2514, 58.5908** is the 20% darker color. If you saturate the color by 10%, you get **71.2794, 78.3672, 103.4663**, and if you desaturate by 10%, it is **92.6226, 97.4287, 106.0207**.

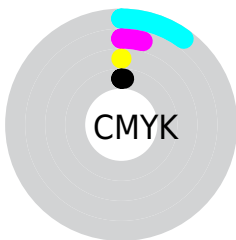
Distribution



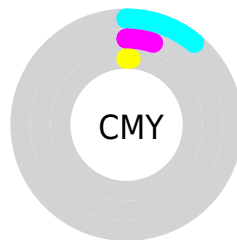
- Red (89%)
- Green (95%)
- Blue (99%)



- Red (89%)
- Yellow (93%)
- Blue (99%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2998, 87.4604, 104.6920 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 81.2998, 87.4604, 104.6920 by changing the saturation by 10% instead.

81.2998, 87.4604,
104.6920

81.2998, 87.4604,
104.6920

487.9726,
519.7345, 596.5079

61.1007, 65.8763,
79.5861

134.1326,
143.8057, 169.6982

44.5593, 48.1720,
58.8537

167.4970,
179.3356, 210.4355

31.3102, 33.9631,
42.0761

205.9805,
220.2830, 257.2205

20.9882, 22.8652,
28.8349

249.9485,
267.0321, 310.4716

13.2278, 14.4940,
18.7114

299.7664,
319.9675, 370.6073

7.6637, 8.4651,
11.2873

355.7995,

3.9305, 4.3940,

379.4734, 438.0462

6.1438

418.4131,
445.9343, 513.2069

■ 1.6629, 1.8963,
2.8625

■ 0.4329, 0.5461,
1.0249

■ 81.2998, 87.4604,
104.6920

■ 81.2998, 87.4604,
104.6920

■ 71.2794, 78.3672,
103.4663

■ 92.6226, 97.4287,
106.0207

■ 62.5016, 70.1085,
102.3349

■ 94.5709, 99.8084,
106.3773

■ 54.9130, 62.6559,
101.2964

■ 48.4530, 55.9756,
100.3474

■ 43.0554, 50.0301,
99.4843

■ 38.6465, 44.7785,
98.7030

■ 35.1423, 40.1742,
97.9990

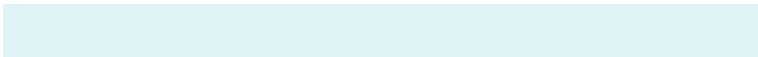
■ 32.4429, 36.1624,
97.3669

■ 30.3869, 32.6565,
96.7986

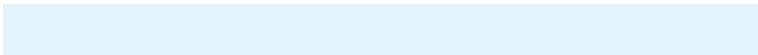
Harmonies

Analogous

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



79.9737, 87.4604, 100.6278



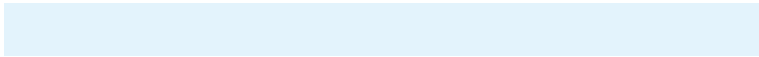
81.2998, 87.4604, 104.6920



83.1332, 87.4604, 106.2013

Triad

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



81.2998, 87.4604, 104.6920



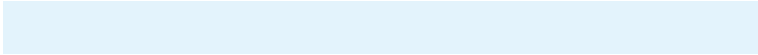
86.8761, 87.4604, 95.2161



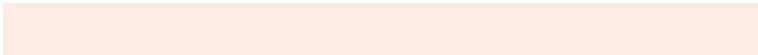
81.2918, 87.4604, 86.3677

Complementary

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



81.2998, 87.4604, 104.6920



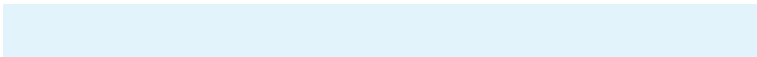
84.0057, 86.2316, 84.8912

Split Complementary

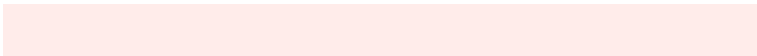
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1238, 87.4604, 85.0407



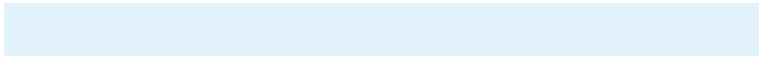
81.2998, 87.4604, 104.6920



86.3652, 87.4604, 90.0279

Square

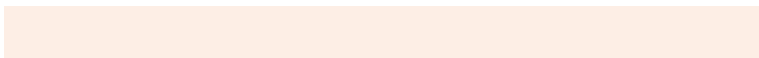
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



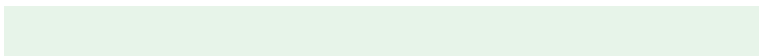
81.2998, 87.4604, 104.6920



86.3700, 87.4604, 100.6036



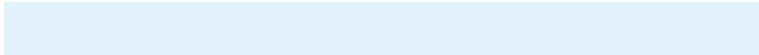
84.9844, 87.4604, 86.3551



79.9691, 87.4604, 90.0502

Rectangle

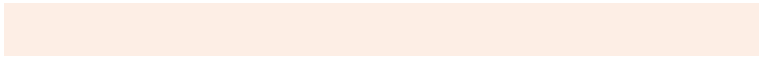
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2998, 87.4604, 104.6920



84.4023, 87.4604, 105.5119



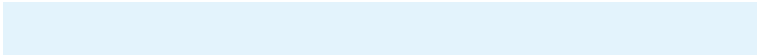
84.9844, 87.4604, 86.3551



81.8676, 87.4604, 85.6378

Sweetspot

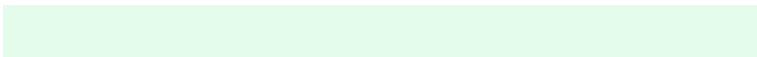
The Sweet Spot groups the original color and five complimentary colors.



81.3023, 87.4641, 104.6939



91.4194, 96.8340, 108.4803



81.5943, 91.9947, 92.6242



19.3643, 20.5483, 23.1956



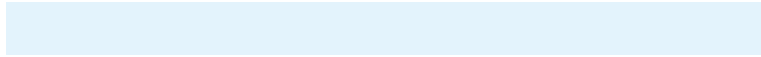
0.0000, 0.0000, 0.0000



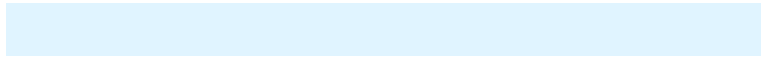
20.3446, 21.4041, 23.3091

Same Dimension

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



81.3023, 87.4641, 104.6939



81.2619, 87.8258, 107.2769



77.7566, 80.3726, 103.5120



17.2098, 18.4964, 22.0484



15.9655, 17.2865, 50.4687



1.5791, 1.8018, 4.7077

Inverse Universe

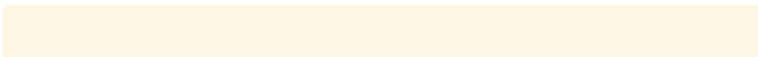
The Inverse Universe completely reimagines the original color for something new.



83.7936, 82.1064, 96.2301



84.3307, 81.3175, 96.8301



87.6557, 93.5315, 86.1079



17.7124, 17.4123, 20.3414



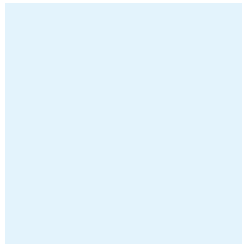
24.3507, 12.1560, 19.0868



2.3060, 1.1461, 2.0346

Previews

White Background



This preview shows how the XYZ color 81.2998, 87.4604, 104.6920 looks on a white background.

Color Contrast Check

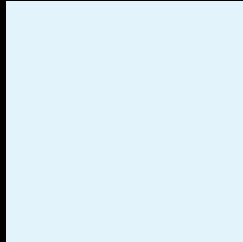
Large Text (above 18pt) WCAG AA × Fail

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 81.2998, 87.4604, 104.6920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

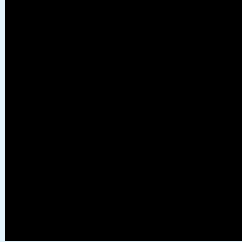
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

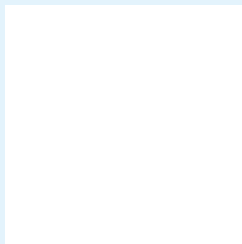
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2998, 87.4604, 104.6920

Background



This preview shows how black text looks on a background with the XYZ color 81.2998, 87.4604, 104.6920.



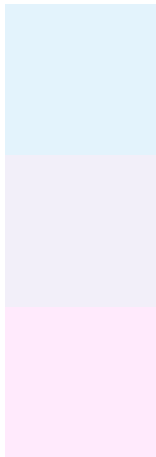
This preview shows how white text looks on a background with the XYZ color 81.2998, 87.4604,

104.6920.

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

81.2998, 87.4604, 104.6920

Protanopia

84.5833, 87.4498, 102.0440

Deuteranopia

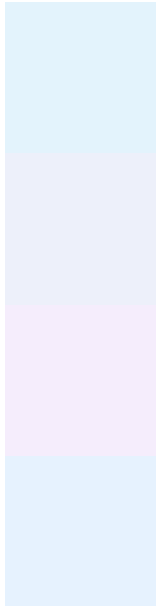
88.2335, 87.1339, 104.2636



Tritanopia

82.7840, 87.2864, 107.0925

Trichromacy



Original Color

81.2998, 87.4604, 104.6920

Protanomaly

83.3405, 87.2268, 102.8864

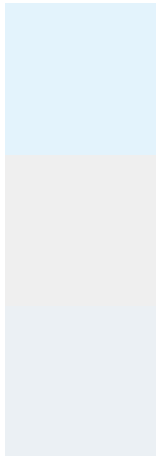
Deuteranomaly

85.5111, 87.0091, 104.3830

Tritanomaly

82.2747, 87.4830, 106.3155

Monochromacy



Original Color

81.2998, 87.4604, 104.6920

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.7502, 86.5140, 97.9781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2998, 87.4604, 104.6920 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(227, 243, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 252)  
}
```

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(227, 243, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 252) }
```

Border

The CSS property to change the border of an element to XYZ 81.2998, 87.4604, 104.6920 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(227, 243, 252) }
```


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

```
.border{ border-color:rgb(227, 243, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 243, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 243, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 243, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 243,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2998, 87.4604, 104.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 243, 252) }
```

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

```
.background{ background-color: rgb(227,  
243, 252) }
```

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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