

Converting Colors

XYZ(81.6768, 88.6088,
103.7424)

Have a look what the booklet for
XYZ(81.6768, 88.6088, 103.7424)
contains.

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Color

**XYZ(81.7435, 88.6007,
104.0601)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F5FB
RGB	227, 245, 251
RGB Percent	89%, 96%, 98%
CMY	0.1098, 0.0392, 0.0157
CMYK	0.10, 0.02, 0.00, 0.02
HSL	195°, 75%, 94%
HSV	195°, 10%, 98%
XYZ	81.7435, 88.6007, 104.0601
YIQ	240.3020, -12.6540, -1.9500

Conversions

Conversions Part 2

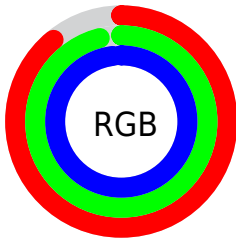
Format	Color
R_{YB}	227, 237, 251
Decimal	14939643
CIE _{Lab}	95.41, -4.74, -4.91
CIE _{LCh}	95, 6.825, 226.015
Yxy	88.6007, 0.2979, 0.3229
Android (android.graphics.Color)	4293129723 (0xFFE3F5FB)
YUV	240.3020, 5.2741, -11.6659
Hunter-Lab	94.1279, -9.7092, 0.3434

Details

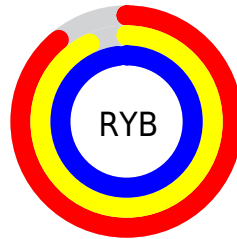
The XYZ color **81.7435, 88.6007, 104.0601** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7881, 84.3326, 84.5889**, and the grayscale version is **83.0301, 87.3542, 95.1287**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0612, 49.1060, 58.7332** is the 20% darker color. If you saturate the color by 10%, you get **72.5321, 81.0854, 103.0964**, and if you desaturate by 10%, it is **92.1784, 96.8470, 105.1032**.

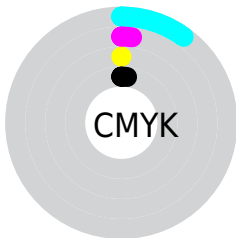
Distribution



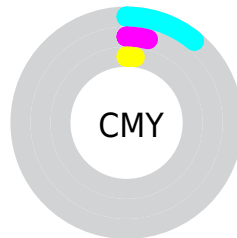
- Red (89%)
- Green (96%)
- Blue (98%)



- Red (89%)
- Yellow (93%)
- Blue (98%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7435, 88.6007, 104.0601 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 81.7435, 88.6007, 104.0601 by changing the saturation by 10% instead.

81.7435, 88.6007,
104.0601

81.7435, 88.6007,
104.0601

489.4368,
523.4684, 594.4903

61.4675, 66.8207,
79.0599

134.7519,
145.3932, 168.8260

44.8566, 48.9389,
58.4234

168.2151,
181.1744, 209.4287

31.5452, 34.5710,
41.7322

206.8047,
222.3915, 256.0693

21.1683, 23.3326,
28.5677

250.8861,
269.4288, 309.1664

13.3602, 14.8393,
18.5113

300.8247,
322.6707, 369.1385

7.7558, 8.7067,
11.1444

356.9858,

3.9895, 4.5504,

382.5017, 436.4042

6.0487

419.7347,
449.3062, 511.3819

■ 1.6962, 1.9859,
2.8054

■ 0.4539, 0.5993,
0.9962

■ 81.7435, 88.6007,
104.0601

■ 81.7435, 88.6007,
104.0601

■ 72.5321, 81.0854,
103.0964

■ 92.1784, 96.8470,
105.1032

■ 64.4862, 74.2631,
102.2036

■ 94.4129, 99.7451,
105.5448

■ 57.5544, 68.1087,
101.3810

■ 51.6783, 62.5912,
100.6258

■ 46.7938, 57.6765,
99.9346

■ 42.8298, 53.3271,
99.3040

■ 39.7048, 49.4998,
98.7299

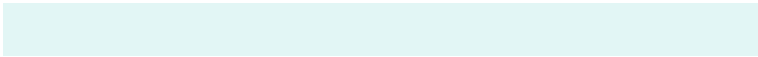
■ 37.3222, 46.1438,
98.2077

■ 35.5306, 43.1801,
97.7301

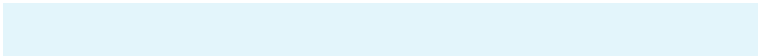
Harmonies

Analogous

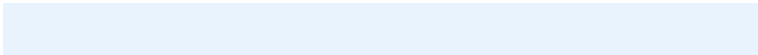
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8083, 88.6007, 99.3357



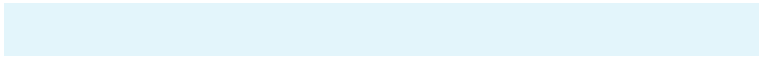
81.7435, 88.6007, 104.0601



83.3476, 88.6007, 106.7965

Triad

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



81.7435, 88.6007, 104.0601



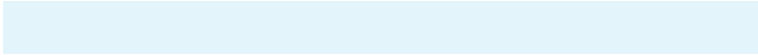
87.7444, 88.6007, 98.9774



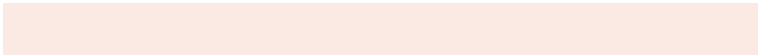
83.2257, 88.6007, 86.9216

Complementary

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



81.7435, 88.6007, 104.0601



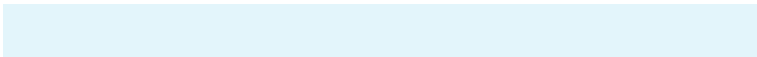
82.7881, 84.3326, 84.5889

Split Complementary

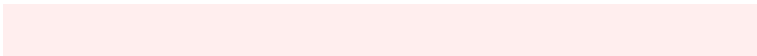
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0830, 88.6007, 86.8337



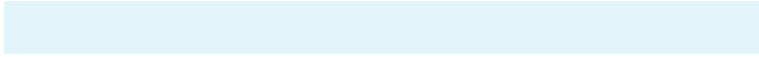
81.7435, 88.6007, 104.0601



87.7106, 88.6007, 93.6621

Square

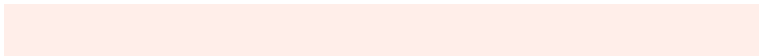
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7435, 88.6007, 104.0601



86.8221, 88.6007, 103.7895



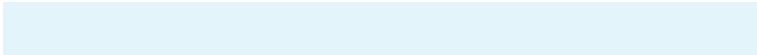
86.7303, 88.6007, 89.2603



81.6554, 88.6007, 89.5051

Rectangle

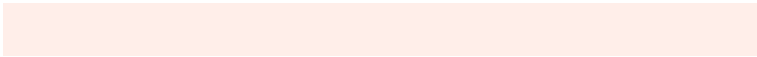
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7435, 88.6007, 104.0601



84.5891, 88.6007, 107.0623



86.7303, 88.6007, 89.2603



83.8367, 88.6007, 86.6025

Sweetspot

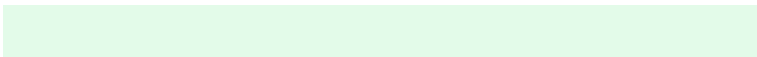
The Sweet Spot groups the original color and five complimentary colors.



81.7461, 88.6044, 104.0621



91.6846, 97.3644, 108.5687



80.8280, 91.1871, 90.1337



19.4360, 20.6917, 23.2195



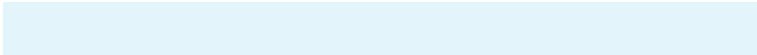
0.0000, 0.0000, 0.0000



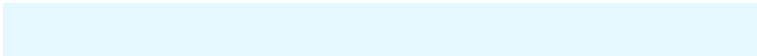
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7461, 88.6044, 104.0621



83.2776, 90.6725, 107.7201



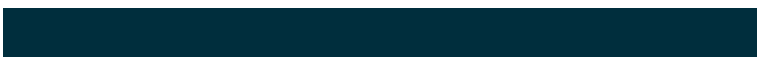
78.3448, 81.8020, 102.9283



17.3771, 18.8310, 22.1042



18.7595, 22.8745, 51.4000



1.8212, 2.2860, 4.7884

Inverse Universe

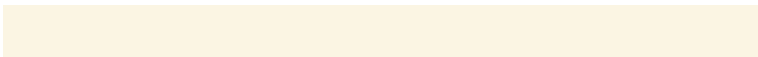
The Inverse Universe completely reimagines the original color for something new.



83.7361, 82.0417, 97.8128



85.6374, 82.9476, 100.2971



86.1817, 91.1198, 85.7201



17.7969, 17.4461, 20.7860



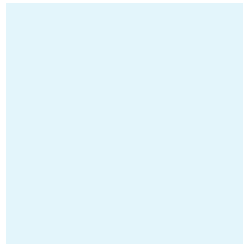
25.7609, 12.7201, 26.5132



2.4282, 1.1950, 2.6781

Previews

White Background



This preview shows how the XYZ color 81.7435, 88.6007, 104.0601 looks on a white background.

Color Contrast Check

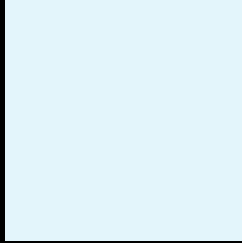
Large Text (above 18pt) WCAG AA × Fail

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 81.7435, 88.6007, 104.0601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

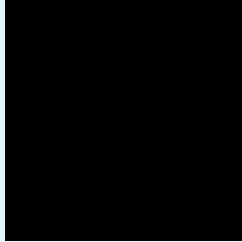
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

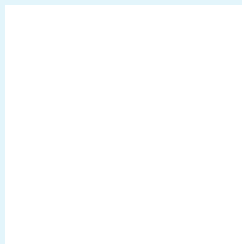
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7435, 88.6007, 104.0601

Background



This preview shows how black text looks on a background with the XYZ color 81.7435, 88.6007, 104.0601.

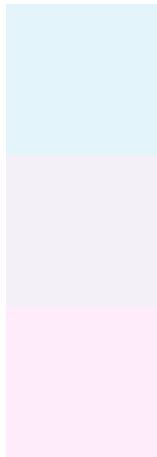


This preview shows how white text looks on a background with the XYZ color 81.7435, 88.6007,

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

81.7435, 88.6007, 104.0601

Protanopia

85.4116, 88.3306, 101.3548

Deuteranopia

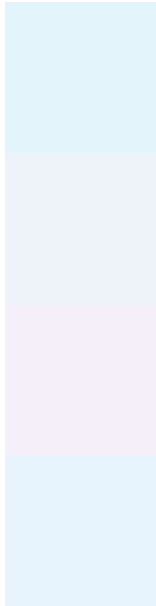
88.4908, 88.1530, 102.7938



Tritanopia

84.0323, 88.8136, 107.3215

Trichromacy



Original Color

81.7435, 88.6007, 104.0601

Protanomaly

84.1109, 88.5210, 102.2757

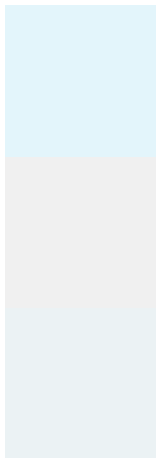
Deuteranomaly

85.7780, 88.0476, 102.9164

Tritanomaly

83.1951, 88.8460, 106.5301

Monochromacy



Original Color

81.7435, 88.6007, 104.0601

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.3422, 87.6981, 98.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7435, 88.6007, 104.0601 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, 245, 251)` looks like.

```
.text, #text, p{  
    color:rgb(227, 245, 251)  
}
```

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, 245, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 245, 251) }
```

Border

The CSS property to change the border of an element to XYZ 81.7435, 88.6007, 104.0601 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, 245, 251) }
```


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

```
.border{ border-color:rgb(227, 245, 251) }
```

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

Here you see how a box with a 4 pixel rgb(227, 245, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 245, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 245, 251);  
box-shadow:4px 4px 4px 4px rgb(227, 245,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7435, 88.6007, 104.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 245, 251) }
```

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

```
.background{ background-color: rgb(227,  
245, 251) }
```

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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