

Converting Colors

XYZ(81.4997, 87.8601,
104.7587)

Have a look what the booklet for
XYZ(81.4997, 87.8601, 104.7587)
contains.

XYZ(81.5999, 88.0605, 104.7921)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.5999, 88.0605,
104.7921)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F4FC
RGB	227, 244, 252
RGB Percent	89%, 96%, 99%
CMY	0.1098, 0.0431, 0.0118
CMYK	0.10, 0.03, 0.00, 0.01
HSL	199°, 81%, 94%
HSV	199°, 10%, 99%
XYZ	81.5999, 88.0605, 104.7921
YIQ	239.8290, -12.7000, -1.1160

Conversions

Conversions Part 2

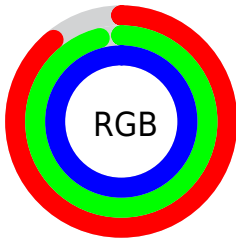
Format	Color
R _Y B	227, 237, 252
Decimal	14939388
CIE Lab	95.19, -4.04, -5.76
CIE LCh	95, 7.038, 234.965
Yxy	88.0605, 0.2973, 0.3209
Android (android.graphics.Color)	4293129468 (0xFFE3F4FC)
YUV	239.8290, 6.0003, -11.2510
Hunter-Lab	93.8406, -9.0047, -0.5210

Details

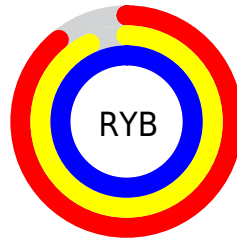
The XYZ color **81.5999, 88.0605, 104.7921** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7188, 85.6577, 84.7957**, and the grayscale version is **82.6545, 86.9590, 94.6983**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8468, 48.6772, 58.6617** is the 20% darker color. If you saturate the color by 10%, you get **71.8541, 79.5165, 103.6580**, and if you desaturate by 10%, it is **92.6202, 97.4238, 106.0199**.

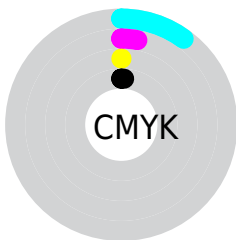
Distribution



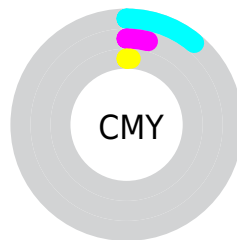
- Red (89%)
- Green (96%)
- Blue (99%)



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



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5999, 88.0605, 104.7921 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 81.5999, 88.0605, 104.7921 by changing the saturation by 10% instead.

81.5999, 88.0605,
104.7921

81.5999, 88.0605,
104.7921

488.9632,
521.7013, 596.8271

61.3488, 66.3732,
79.6695

134.5515,
144.6414, 169.8363

44.7603, 48.5754,
58.9219

167.9828,
180.3037, 210.5950

31.4691, 34.2828,
42.1306

206.5381,
221.3932, 257.4027

21.1099, 23.1109,
28.8773

250.5828,
268.2942, 310.6782

13.3173, 14.6754,
18.7432

300.4823,
321.3911, 370.8398

7.7259, 8.5919,
11.3099

356.6020,

3.9704, 4.4760,

381.0684, 438.3061

6.1589

419.3072,
447.7103, 513.4957

■ 1.6854, 1.9432,
2.8716

■ 0.4471, 0.5742,
1.0295

■ 81.5999, 88.0605,
104.7921

■ 81.5999, 88.0605,
104.7921

■ 71.8541, 79.5165,
103.6580

■ 92.6202, 97.4238,
106.0199

■ 63.3234, 71.7520,
102.6089

■ 94.5710, 99.8084,
106.3774

■ 55.9551, 64.7402,
101.6438

■ 49.6892, 58.4481,
100.7596

■ 44.4602, 52.8398,
99.9527

■ 40.1950, 47.8754,
99.2193

■ 36.8102, 43.5099,
98.5550

■ 34.2066, 39.6898,
97.9549

■ 32.2236, 36.3299,
97.4109

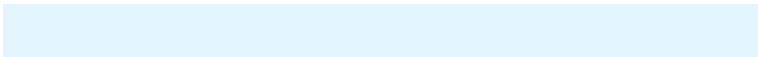
Harmonies

Analogous

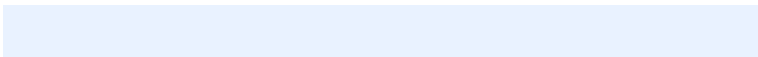
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4004, 88.0605, 100.4094



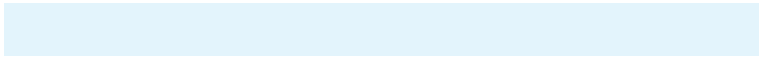
81.5999, 88.0605, 104.7921



83.3757, 88.0605, 106.7916

Triad

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



81.5999, 88.0605, 104.7921



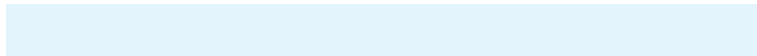
87.4259, 88.0605, 96.8126



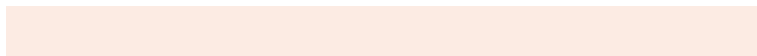
82.1522, 88.0605, 86.6246

Complementary

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



81.5999, 88.0605, 104.7921



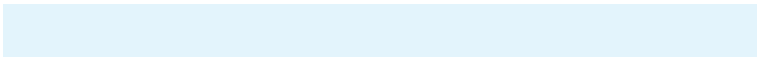
83.7188, 85.6577, 84.7957

Split Complementary

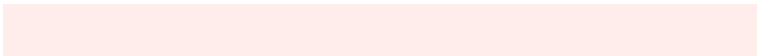
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0229, 88.0605, 85.7436



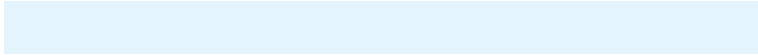
81.5999, 88.0605, 104.7921



87.0863, 88.0605, 91.4945

Square

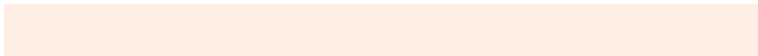
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



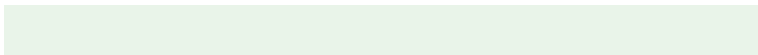
81.5999, 88.0605, 104.7921



86.7545, 88.0605, 102.0738



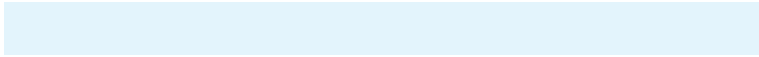
85.8335, 88.0605, 87.4936



80.7159, 88.0605, 89.9475

Rectangle

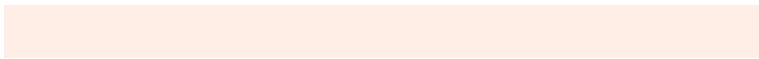
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5999, 88.0605, 104.7921



84.6547, 88.0605, 106.4509



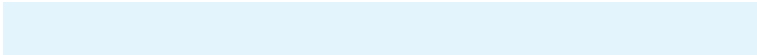
85.8335, 88.0605, 87.4936



82.7503, 88.0605, 86.0386

Sweetspot

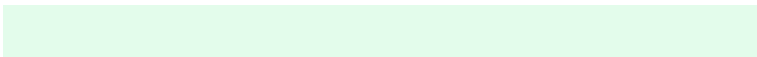
The Sweet Spot groups the original color and five complimentary colors.



81.6025, 88.0642, 104.7941



91.5157, 97.0266, 108.5123



81.4738, 91.9466, 91.9890



19.3903, 20.6004, 23.2042



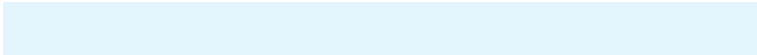
0.0000, 0.0000, 0.0000



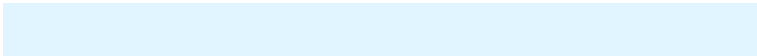
20.3446, 21.4041, 23.3091

Same Dimension

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



81.6025, 88.0642, 104.7941



81.6313, 88.5646, 107.4000



77.9902, 80.8397, 103.5900



17.2703, 18.6175, 22.0686



16.9167, 19.1890, 50.7858



1.6624, 1.9685, 4.7355

Inverse Universe

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



83.9451, 82.1670, 97.0276



84.5172, 81.3921, 97.8120



87.3998, 93.0197, 86.0227



17.7430, 17.4246, 20.5023



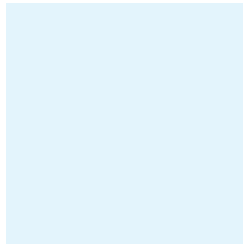
24.8308, 12.3480, 21.6152



2.3480, 1.1630, 2.2561

Previews

White Background



This preview shows how the XYZ color 81.5999, 88.0605, 104.7921 looks on a white background.

Color Contrast Check

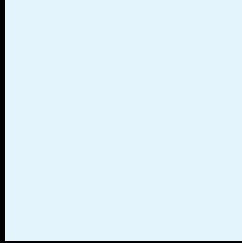
Large Text (above 18pt) WCAG AA × Fail

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 81.5999, 88.0605, 104.7921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

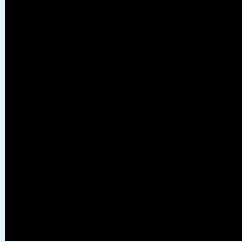
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

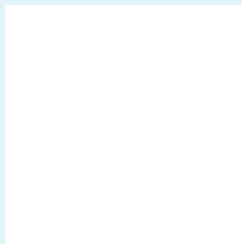
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.5999, 88.0605, 104.7921

Background



This preview shows how black text looks on a background with the XYZ color 81.5999, 88.0605, 104.7921.

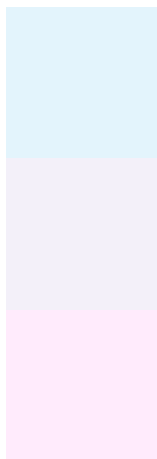


This preview shows how white text looks on a background with the XYZ color 81.5999, 88.0605,

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

81.5999, 88.0605, 104.7921

Protanopia

85.2211, 88.2144, 102.1580

Deuteranopia

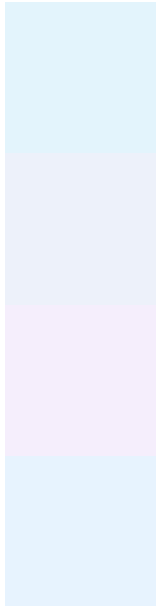
88.5190, 87.7049, 104.3588



Tritanopia

83.4064, 88.0479, 107.2067

Trichromacy



Original Color

81.5999, 88.0605, 104.7921

Protanomaly

83.6357, 87.8172, 102.9848

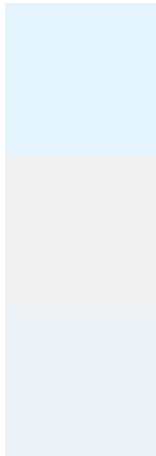
Deuteranomaly

85.8014, 87.5898, 104.4798

Tritanomaly

82.8950, 88.2459, 106.4301

Monochromacy



Original Color

81.5999, 88.0605, 104.7921

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.0454, 87.1044, 98.0765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5999, 88.0605, 104.7921 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, 244, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 244, 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, 244, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 244, 252) }
```

Border

The CSS property to change the border of an element to XYZ 81.5999, 88.0605, 104.7921 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, 244, 252) }
```


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

```
.border{ border-color:rgb(227, 244, 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, 244, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 244, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 244, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 244,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5999, 88.0605, 104.7921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 244, 252) }
```

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

```
.background{ background-color: rgb(227,  
244, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor