

Converting Colors

XYZ(91.8123, 95.0912,
129.9392)

Have a look what the booklet for
XYZ(91.8123, 95.0912, 129.9392)
contains.

| | |
|--|----|
| XYZ(87.5223, 93.3221, 108.0078) | 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(87.5223, 93.3221,
108.0078)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EFF9FF |
| RGB | 239, 249, 255 |
| RGB Percent | 94%, 98%, 100% |
| CMY | 0.0627, 0.0235, 0.0000 |
| CMYK | 0.06, 0.02, 0.00, 0.00 |
| HSL | 202°, 100%, 97% |
| HSV | 202°, 6%, 100% |
| XYZ | 87.5223, 93.3221, 108.0078 |
| YIQ | 246.6940, -7.8860, -0.2540 |

Conversions

Conversions Part 2

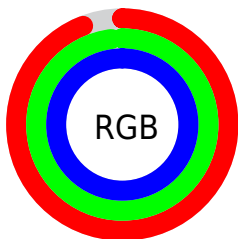
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 239, 245, 255 |
| Decimal | 15727103 |
| CIE _{Lab} | 97.36, -2.17, -4.02 |
| CIE _{LCh} | 97, 4.567, 241.605 |
| Yxy | 93.3221, 0.3030, 0.3231 |
| Android (android.graphics.Color) | 4293917183 (0xFFEFF9FF) |
| YUV | 246.6940, 4.0949, -6.7476 |
| Hunter-Lab | 96.6034, -7.3355, 1.3329 |

Details

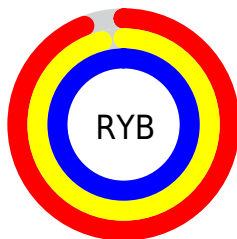
The XYZ color **87.5223, 93.3221, 108.0078** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.4716, 92.7947, 94.8584**, and the grayscale version is **88.1341, 92.7240, 100.9764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7914, 52.2844, 60.9464** is the 20% darker color. If you saturate the color by 10%, you get **76.6351, 83.4388, 106.6739**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

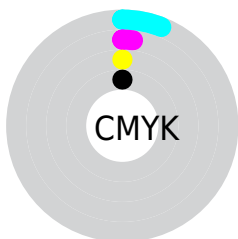
Distribution



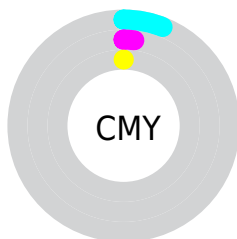
- Red (94%)
- Green (98%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5223, 93.3221, 108.0078 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 87.5223, 93.3221, 108.0078 by changing the saturation by 10% instead.

87.5223, 93.3221,
108.0078

87.5223, 93.3221,
108.0078

508.2964,
538.7793, 607.0371

66.2570, 70.7393,
82.3508

142.7878,
151.9445, 174.2665

48.7495, 52.1294,
61.1172

177.5188,
188.7528, 215.7052

34.6345, 37.1083,
43.8886

217.4690,
231.0717, 263.2416

23.5467, 25.2913,
30.2464

263.0038,
279.2856, 317.2942

15.1206, 16.2942,
19.7720

314.4886,
333.7790, 378.2815

8.9909, 9.7326,
12.0470

372.2888,

4.7923, 5.2220,

394.9361, 446.6221

6.6528

436.7696,
463.1414, 522.7344

■ 2.1594, 2.3781,
3.1708

■ 0.7212, 0.8146,
1.1825

■ 87.5223, 93.3221,
108.0078

■ 87.5223, 93.3221,
108.0078

■ 76.6351, 83.4388,
106.6739

95.0500, 100.0000,
108.9000

■ 67.0575, 74.4476,
105.4433

■ 58.7355, 66.3201,
104.3131

■ 51.6083, 59.0214,
103.2800

■ 45.6098, 52.5139,
102.3401

■ 40.6669, 46.7565,
101.4893

■ 36.6972, 41.7028,
100.7230

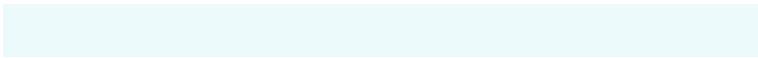
■ 33.6042, 37.2993,
100.0361

■ 31.2686, 33.4807,
99.4221

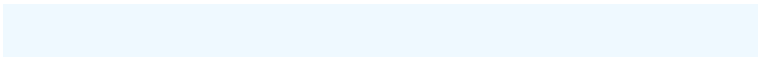
Harmonies

Analogous

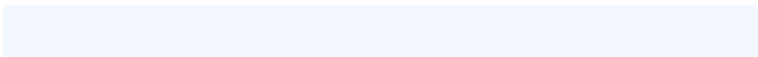
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5983, 93.3221, 105.3908



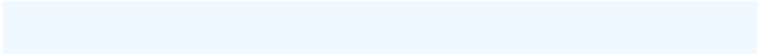
87.5223, 93.3221, 108.0078



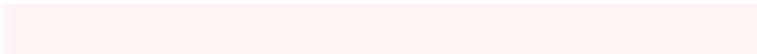
88.7695, 93.3221, 108.8999

Triad

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



87.5223, 93.3221, 108.0078



91.2094, 93.3221, 101.4126



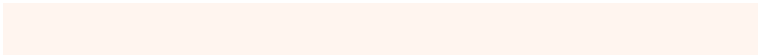
87.4028, 93.3221, 95.6651

Complementary

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



87.5223, 93.3221, 108.0078



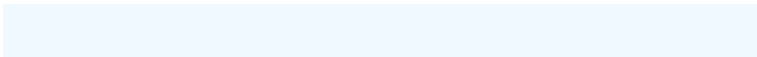
89.4716, 92.7947, 94.8584

Split Complementary

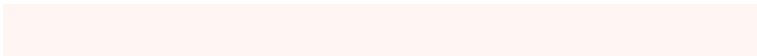
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6302, 93.3221, 94.6565



87.5223, 93.3221, 108.0078



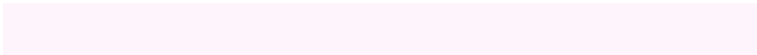
90.8351, 93.3221, 97.9245

Square

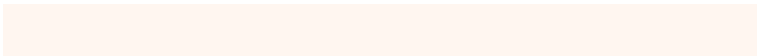
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



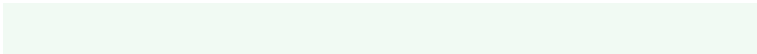
87.5223, 93.3221, 108.0078



90.9059, 93.3221, 105.0372



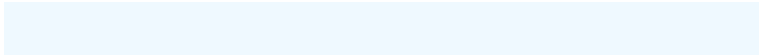
89.8879, 93.3221, 95.4736



86.5298, 93.3221, 98.2619

Rectangle

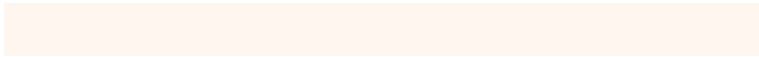
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5223, 93.3221, 108.0078



89.6188, 93.3221, 108.3796



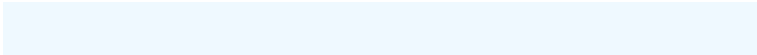
89.8879, 93.3221, 95.4736



87.7872, 93.3221, 95.1320

Sweetspot

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



87.5247, 93.3259, 108.0084



92.5919, 97.8323, 108.6112



87.8185, 96.4556, 100.2698



19.8443, 20.9629, 23.2503



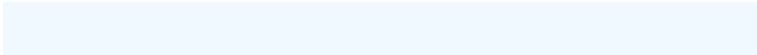
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



87.5247, 93.3259, 108.0084



85.5489, 91.5538, 107.7705



85.1426, 88.5616, 107.2144



17.9494, 19.2705, 23.0235



16.0988, 17.1072, 51.8881



1.6725, 1.8757, 5.0872

Inverse Universe

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



89.2069, 89.8341, 102.2652



87.6775, 87.1853, 100.4916



91.9036, 97.6587, 95.6691



18.4871, 18.1782, 21.1824



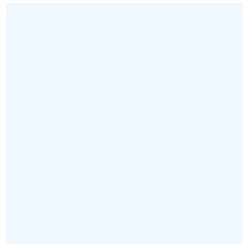
24.9141, 12.4549, 18.7301



2.4788, 1.2339, 2.1028

Previews

White Background



This preview shows how the XYZ color 87.5223, 93.3221, 108.0078 looks on a white background.

Color Contrast Check

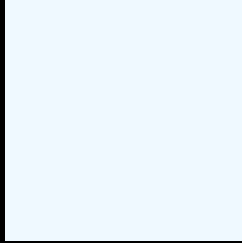
Large Text (above 18pt) WCAG AA × Fail

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 87.5223, 93.3221, 108.0078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

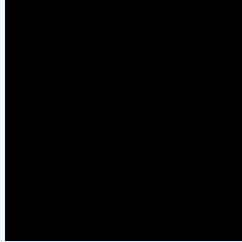
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

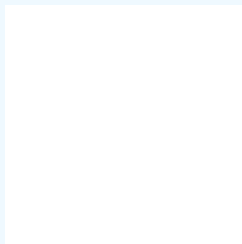
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.5223, 93.3221, 108.0078

Background



This preview shows how black text looks on a background with the XYZ color 87.5223, 93.3221, 108.0078.

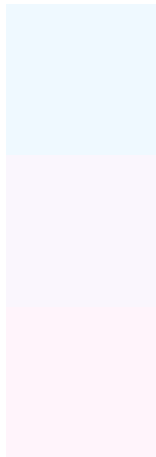


This preview shows how white text looks on a background with the XYZ color 87.5223, 93.3221,

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

87.5223, 93.3221, 108.0078

Protanopia

90.1097, 93.3274, 106.1932

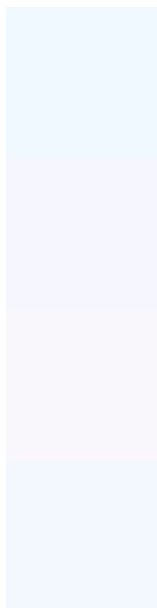
Deuteranopia

91.0033, 92.9264, 104.4070

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



Original Color

87.5223, 93.3221, 108.0078

Protanomaly

89.1562, 93.2701, 107.0698

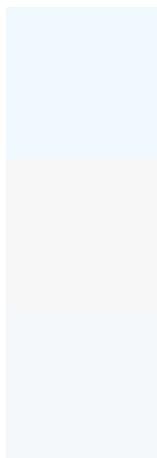
Deuteranomaly

89.5934, 93.0795, 105.3395

Tritanomaly

88.5795, 93.4095, 107.9689

Monochromacy



Original Color

87.5223, 93.3221, 108.0078

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1309, 93.2700, 103.8004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5223, 93.3221, 108.0078 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(239, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 249, 255)  
}
```

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(239, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.5223, 93.3221, 108.0078 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(239, 249, 255) }
```


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

```
.border{ border-color:rgb(239, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5223, 93.3221, 108.0078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 249, 255) }
```

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

```
.background{ background-color: rgb(239,  
249, 255) }
```

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