

Converting Colors

XYZ(88.5207, 95.4397,
116.4929)

Have a look what the booklet for
XYZ(88.5207, 95.4397, 116.4929)
contains.

XYZ(87.1070, 94.9630, 108.3464)	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(87.1070, 94.9630,
108.3464)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFDFF
RGB	234, 253, 255
RGB Percent	92%, 99%, 100%
CMY	0.0823, 0.0078, 0.0000
CMYK	0.08, 0.01, 0.00, 0.00
HSL	186°, 100%, 96%
HSV	186°, 8%, 100%
XYZ	87.1070, 94.9630, 108.3464
YIQ	247.5470, -11.9660, -3.4060

Conversions

Conversions Part 2

Format	Color
R _Y B	234, 244, 255
Decimal	15400447
CIE Lab	98.02, -5.79, -3.09
CIE LCh	98, 6.561, 208.066
Yxy	94.9630, 0.2999, 0.3270
Android (android.graphics.Color)	4293590527 (0xFFEAFDFF)
YUV	247.5470, 3.6743, -11.8807
Hunter-Lab	97.4490, -10.9793, 2.2940

Details

The XYZ color **87.1070, 94.9630, 108.3464** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0861, 87.1896, 90.1356**, and the grayscale version is **88.8335, 93.4598, 101.7777**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2931, 53.0220, 61.1150** is the 20% darker color. If you saturate the color by 10%, you get **78.5711, 89.4373, 107.7297**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

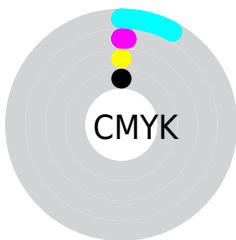
Distribution



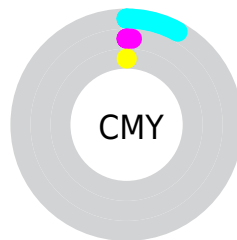
- Red (92%)
- Green (99%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1070, 94.9630, 108.3464 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 87.1070, 94.9630, 108.3464 by changing the saturation by 10% instead.

87.1070, 94.9630,
108.3464

87.1070, 94.9630,
108.3464

506.9537,
544.0465, 608.1070

65.9121, 72.1042,
82.6334

142.2122,
154.2135, 174.7322

48.4685, 53.2438,
61.3489

176.8531,
191.3739, 216.2421

34.4108, 37.9974,
44.0744

216.7068,
234.0704, 263.8547

23.3738, 25.9807,
30.3914

262.1386,
282.6873, 317.9885

14.9919, 16.8092,
19.8813

313.5138,
337.6089, 379.0621

8.9000, 10.0985,
12.1256

371.1978,

4.7326, 5.4643,

399.2197, 447.4940

6.7057

435.5560,
467.9041, 523.7028

■ 2.1244, 2.5222,
3.2031

■ 0.7024, 0.8877,
1.1992

■ 87.1070, 94.9630,
108.3464

■ 87.1070, 94.9630,
108.3464

■ 78.5711, 89.4373,
107.7297

95.0500, 100.0000,
108.9000

■ 71.1961, 84.5217,
107.1696

■ 64.9294, 80.1919,
106.6642

■ 59.7118, 76.4171,
106.2106

■ 55.4781, 73.1638,
105.8058

■ 52.1561, 70.3946,
105.4463

■ 49.6635, 68.0670,
105.1285

■ 47.9029, 66.1309,
104.8475

■ 46.7404, 64.5170,
104.5973

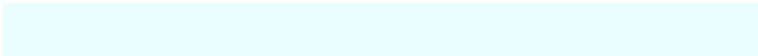
Harmonies

Analogous

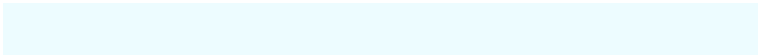
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6945, 94.9630, 103.0495



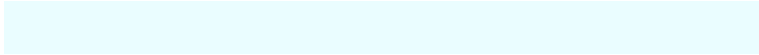
87.1070, 94.9630, 108.3464



88.3608, 94.9630, 112.4360

Triad

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



87.1070, 94.9630, 108.3464



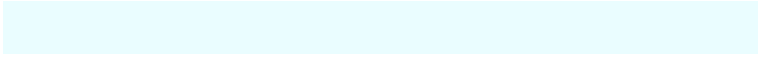
93.3623, 94.9630, 108.9721



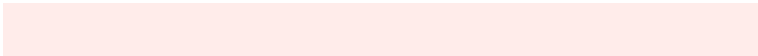
90.3816, 94.9630, 93.3927

Complementary

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



87.1070, 94.9630, 108.3464



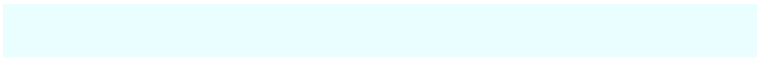
86.0861, 87.1896, 90.1356

Split Complementary

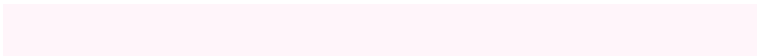
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1852, 94.9630, 94.8589



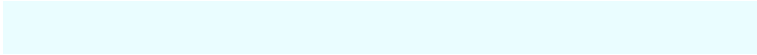
87.1070, 94.9630, 108.3464



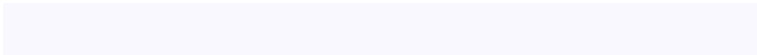
93.9208, 94.9630, 103.7484

Square

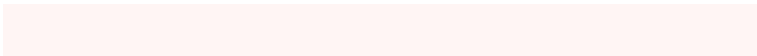
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1070, 94.9630, 108.3464



91.9710, 94.9630, 112.8059



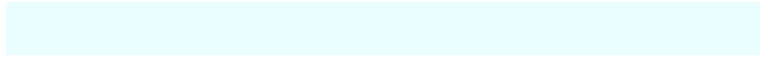
93.4871, 94.9630, 98.6037



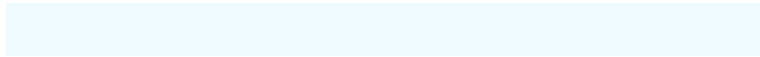
88.5693, 94.9630, 94.5293

Rectangle

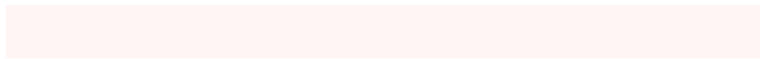
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1070, 94.9630, 108.3464



89.5140, 94.9630, 113.8623



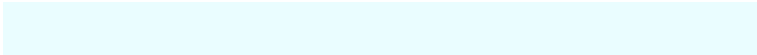
93.4871, 94.9630, 98.6037



91.0091, 94.9630, 93.5964

Sweetspot

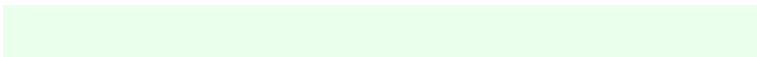
The Sweet Spot groups the original color and five complimentary colors.



87.1094, 94.9669, 108.3470



93.0442, 98.7368, 108.7619



84.7967, 95.0545, 93.0462



19.9363, 21.1470, 23.2810



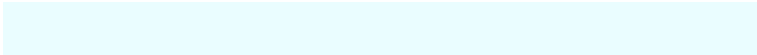
0.0000, 0.0000, 0.0000



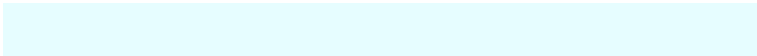
20.3446, 21.4041, 23.3091

Same Dimension

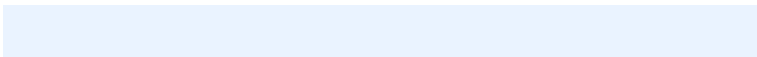
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1094, 94.9669, 108.3470



85.5151, 93.9448, 108.2338



83.9586, 88.6652, 107.2967



18.3987, 20.1690, 23.1732



24.3914, 33.6923, 54.6523



2.4160, 3.3628, 5.3350

Inverse Universe

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



88.3940, 87.1991, 105.1054



87.0603, 84.6407, 104.3251



89.1237, 93.2649, 91.1481



18.7139, 18.2689, 22.3765



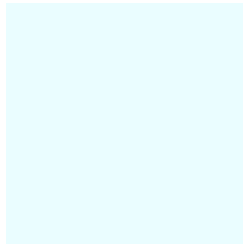
29.0998, 14.1292, 40.7717



2.8541, 1.3840, 4.0791

Previews

White Background



This preview shows how the XYZ color 87.1070, 94.9630, 108.3464 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 87.1070, 94.9630, 108.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

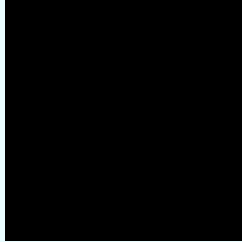
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.1070, 94.9630, 108.3464

Background



This preview shows how black text looks on a background with the XYZ color 87.1070, 94.9630, 108.3464.

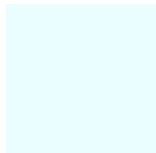


This preview shows how white text looks on a background with the XYZ color 87.1070, 94.9630,

Color Blindness Simulation

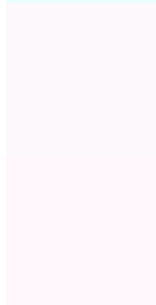
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.1070, 94.9630, 108.3464



Protanopia

91.2830, 94.8585, 105.5939

Deuteranopia

91.9134, 94.7466, 104.7103

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

87.1070, 94.9630, 108.3464

Protanomaly

89.5714, 94.8755, 106.5204

Deuteranomaly

89.8041, 94.5538, 105.6130

Tritanomaly

88.8536, 94.4685, 108.1589

Monochromacy



Original Color

87.1070, 94.9630, 108.3464

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.5603, 94.3909, 104.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1070, 94.9630, 108.3464 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(234, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 253, 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(234, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.1070, 94.9630, 108.3464 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(234, 253, 255) }
```


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

```
.border{ border-color:rgb(234, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1070, 94.9630, 108.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 253, 255) }
```

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

```
.background{ background-color: rgb(234,  
253, 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