

Converting Colors

XYZ(86.7920, 92.7284,
117.2576)

Have a look what the booklet for
XYZ(86.7920, 92.7284, 117.2576)
contains.

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Color

**XYZ(84.8807, 91.9603,
107.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F9FF
RGB	231, 249, 255
RGB Percent	91%, 98%, 100%
CMY	0.0941, 0.0235, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	195°, 100%, 95%
HSV	195°, 9%, 100%
XYZ	84.8807, 91.9603, 107.8842
YIQ	244.3020, -12.6540, -1.9500

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 241, 255
Decimal	15202815
CIE Lab	96.80, -4.73, -4.90
CIE LCh	97, 6.806, 226.008
Yxy	91.9603, 0.2981, 0.3230
Android (android.graphics.Color)	4293392895 (0xFFE7F9FF)
YUV	244.3020, 5.2741, -11.6659
Hunter-Lab	95.8959, -9.8216, 0.4251

Details

The XYZ color **84.8807, 91.9603, 107.8842** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9473, 87.5961, 87.9807**, and the grayscale version is **86.1993, 90.6883, 98.7596**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9422, 51.3311, 60.8599** is the 20% darker color. If you saturate the color by 10%, you get **75.3073, 84.1541, 106.8820**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

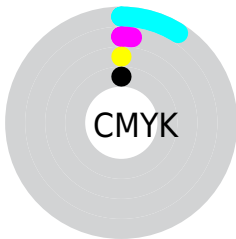
Distribution



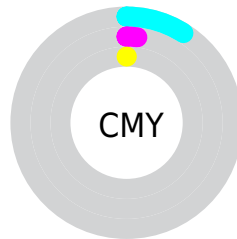
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8807, 91.9603, 107.8842 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 84.8807, 91.9603, 107.8842 by changing the saturation by 10% instead.

84.8807, 91.9603,
107.8842

84.8807, 91.9603,
107.8842

499.7228,
534.3872, 606.6464

64.0650, 69.6077,
82.2476

139.1214,
150.0584, 174.0965

46.9652, 51.2067,
61.0327

173.2770,
186.5726, 215.5092

33.2160, 36.3732,
43.8208

212.6100,
228.5761, 263.0178

22.4520, 24.7225,
30.1935

257.4858,
276.4533, 317.0406

14.3078, 15.8705,
19.7322

308.2695,
330.5887, 377.9964

8.4182, 9.4325,
12.0184

365.3268,

4.4177, 5.0244,

391.3665, 446.3036

6.6335

429.0227,
459.1712, 522.3807

■ 1.9411, 2.2616,
3.1590

■ 0.6005, 0.7533,
1.1764

■ 84.8807, 91.9603,
107.8842

■ 84.8807, 91.9603,
107.8842

■ 75.3073, 84.1541,
106.8820

95.0500, 100.0000,
108.9000

■ 66.9450, 77.0678,
105.9549

■ 59.7402, 70.6754,
105.1008

■ 53.6322, 64.9445,
104.3166

■ 48.5546, 59.8400,
103.5989

■ 44.4335, 55.3227,
102.9442

■ 41.1844, 51.3479,
102.3482

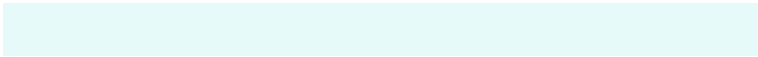
■ 38.7071, 47.8630,
101.8062

■ 36.8478, 44.7877,
101.3106

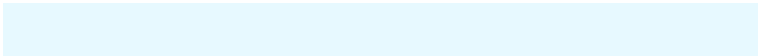
Harmonies

Analogous

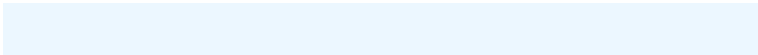
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9244, 91.9603, 103.0562



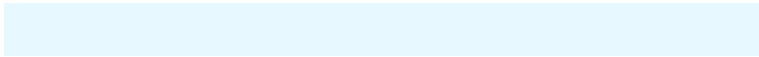
84.8807, 91.9603, 107.8842



86.5210, 91.9603, 110.6801

Triad

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



84.8807, 91.9603, 107.8842



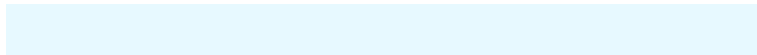
91.0159, 91.9603, 102.6926



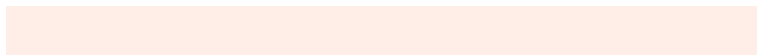
86.3972, 91.9603, 90.3603

Complementary

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



84.8807, 91.9603, 107.8842



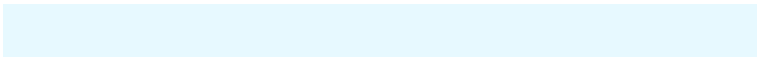
85.9473, 87.5961, 87.9807

Split Complementary

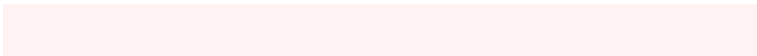
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2961, 91.9603, 90.2710



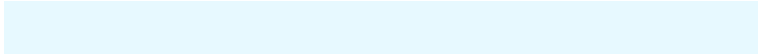
84.8807, 91.9603, 107.8842



90.9815, 91.9603, 97.2580

Square

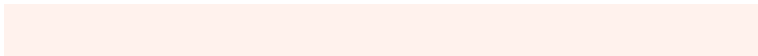
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



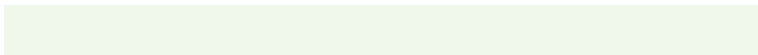
84.8807, 91.9603, 107.8842



90.0730, 91.9603, 107.6097



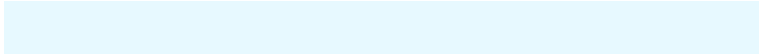
89.9799, 91.9603, 92.7549



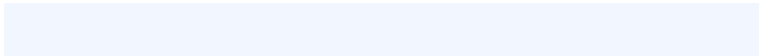
84.7912, 91.9603, 93.0036

Rectangle

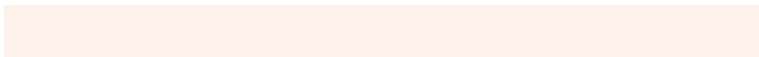
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8807, 91.9603, 107.8842



87.7902, 91.9603, 110.9520



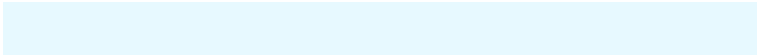
89.9799, 91.9603, 92.7549



87.0219, 91.9603, 90.0340

Sweetspot

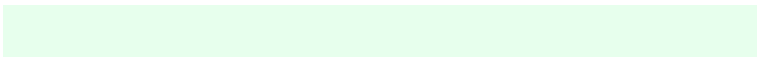
The Sweet Spot groups the original color and five complimentary colors.



84.8831, 91.9641, 107.8848



91.6847, 97.3647, 108.5687



83.9436, 94.6004, 93.6514



19.4360, 20.6918, 23.2195



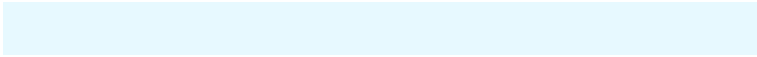
0.0000, 0.0000, 0.0000



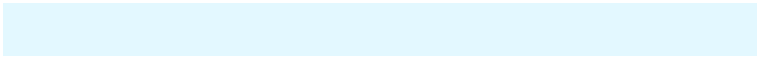
20.3446, 21.4041, 23.3091

Same Dimension

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



84.8831, 91.9641, 107.8848



83.2781, 90.6735, 107.7202



81.4063, 85.0105, 106.7258



18.1481, 19.6677, 23.0897



19.3258, 23.5611, 52.9638



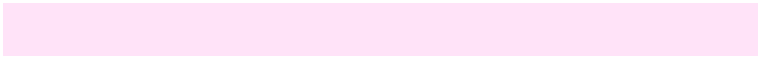
1.9682, 2.4670, 5.1857

Inverse Universe

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



86.9163, 85.2529, 101.5015



85.6376, 82.9477, 100.2984



89.4165, 94.5343, 89.1371



18.5874, 18.2183, 21.7103



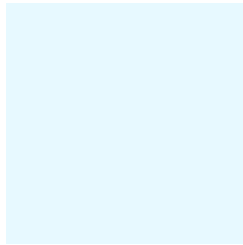
26.5429, 13.1065, 27.3073



2.6280, 1.2936, 2.8887

Previews

White Background



This preview shows how the XYZ color 84.8807, 91.9603, 107.8842 looks on a white background.

Color Contrast Check

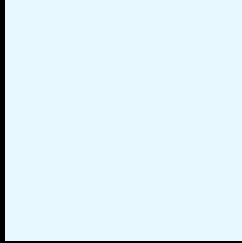
Large Text (above 18pt) WCAG AA × Fail

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 84.8807, 91.9603, 107.8842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

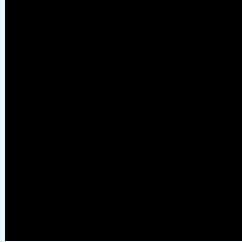
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

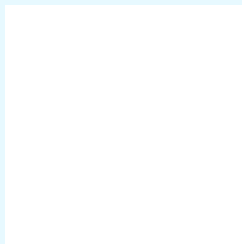
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.8807, 91.9603, 107.8842

Background



This preview shows how black text looks on a background with the XYZ color 84.8807, 91.9603, 107.8842.



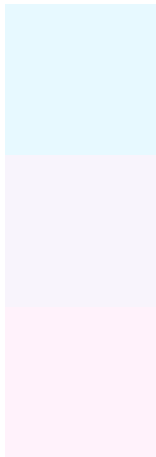
This preview shows how white text looks on a background with the XYZ color 84.8807, 91.9603,

107.8842.

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

84.8807, 91.9603, 107.8842

Protanopia

88.6328, 91.6861, 105.1212

Deuteranopia

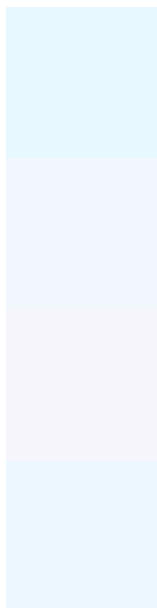
90.4047, 91.7293, 104.2075



Tritanopia

86.9409, 91.6568, 107.7170

Trichromacy



Original Color

84.8807, 91.9603, 107.8842

Protanomaly

87.3033, 91.8806, 106.0619

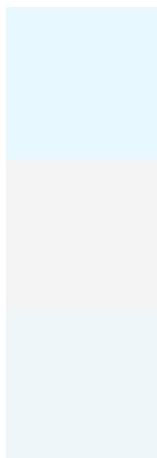
Deuteranomaly

88.2291, 91.9259, 105.1888

Tritanomaly

86.2358, 91.7461, 107.7714

Monochromacy



Original Color

84.8807, 91.9603, 107.8842

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.4956, 91.0396, 101.8732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8807, 91.9603, 107.8842 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(231, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.8807, 91.9603, 107.8842 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(231, 249, 255) }
```


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

```
.border{ border-color:rgb(231, 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(231, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8807, 91.9603, 107.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 249, 255) }
```

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

```
.background{ background-color: rgb(231,  
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](#).

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