

Converting Colors

XYZ(84.9269, 91.7344,
112.1800)

Have a look what the booklet for
XYZ(84.9269, 91.7344, 112.1800)
contains.

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Color

**XYZ(84.2388, 91.6294,
107.8541)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F9FF
RGB	229, 249, 255
RGB Percent	90%, 98%, 100%
CMY	0.1020, 0.0235, 0.0000
CMYK	0.10, 0.02, 0.00, 0.00
HSL	194°, 100%, 95%
HSV	194°, 10%, 100%
XYZ	84.2388, 91.6294, 107.8541
YIQ	243.7040, -13.8460, -2.3740

Conversions

Conversions Part 2

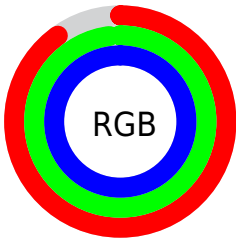
Format	Color
R _Y B	229, 240, 255
Decimal	15071743
CIE _{Lab}	96.67, -5.36, -5.11
CIE _{LCh}	97, 7.407, 223.640
Y _{xy}	91.6294, 0.2969, 0.3230
Android (android.graphics.Color)	4293261823 (0xFFE5F9FF)
Y _{UV}	243.7040, 5.5689, -12.8954
Hunter-Lab	95.7232, -10.4313, 0.2025

Details

The XYZ color **84.2388, 91.6294, 107.8541** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0906, 86.3320, 86.3094**, and the grayscale version is **85.7195, 90.1836, 98.2099**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4966, 51.1014, 60.8390** is the 20% darker color. If you saturate the color by 10%, you get **74.9038, 84.1636, 106.9051**, and if you desaturate by 10%, it is **94.8305, 99.8325, 108.8792**.

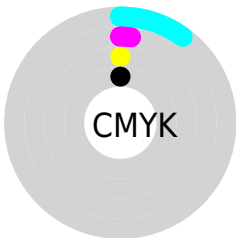
Distribution



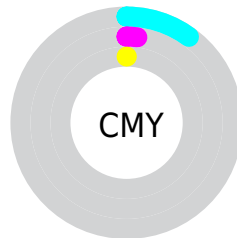
- Red (90%)
- Green (98%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2388, 91.6294, 107.8541 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 84.2388, 91.6294, 107.8541 by changing the saturation by 10% instead.

84.2388, 91.6294,
107.8541

84.2388, 91.6294,
107.8541

497.6276,
533.3171, 606.5512

63.5330, 69.3329,
82.2225

138.2287,
149.5996, 174.0550

46.5328, 50.9828,
61.0121

172.2435,
186.0421, 215.4615

32.8729, 36.1949,
43.8043

211.4253,
227.9687, 262.9632

22.1878, 24.5848,
30.1806

256.1396,
275.7638, 316.9789

14.1124, 15.7680,
19.7225

306.7516,
329.8118, 377.9270

8.2811, 9.3601,
12.0114

363.6267,

4.3286, 4.9768,

390.4971, 446.2260

6.6288

427.1302,
458.2041, 522.2946

■ 1.8897, 2.2337,
3.1562

■ 0.5708, 0.7383,
1.1749

■ 84.2388, 91.6294,
107.8541

■ 84.2388, 91.6294,
107.8541

■ 74.9038, 84.1636,
106.9051

94.8305, 99.8325,
108.8792

■ 66.7661, 77.3962,
106.0278

95.0500, 100.0000,
108.9000

■ 59.7716, 71.3011,
105.2199

■ 53.8597, 65.8461,
104.4786

■ 48.9634, 60.9960,
103.8005

■ 45.0082, 56.7117,
103.1820

■ 41.9090, 52.9483,
102.6190

■ 39.5639, 49.6526,
102.1064

■ 37.8357, 46.7914,
101.6452

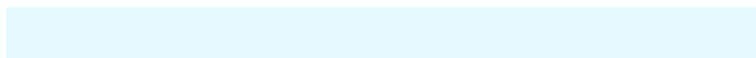
Harmonies

Analogous

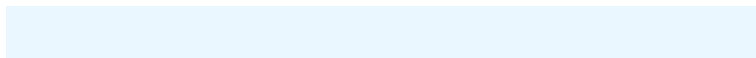
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2755, 91.6294, 102.4844



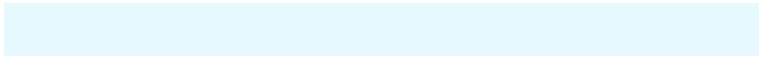
84.2388, 91.6294, 107.8541



85.9733, 91.6294, 111.1250

Triad

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



84.2388, 91.6294, 107.8541



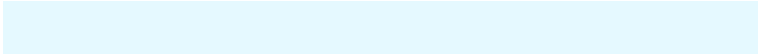
90.9709, 91.6294, 103.0182



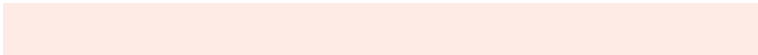
86.1546, 91.6294, 89.0839

Complementary

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



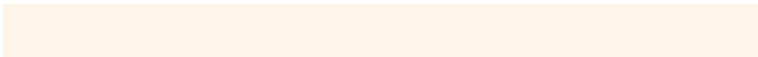
84.2388, 91.6294, 107.8541



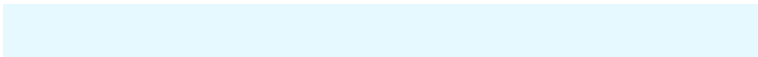
85.0906, 86.3320, 86.3094

Split Complementary

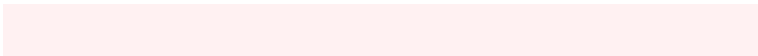
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2183, 91.6294, 89.2140



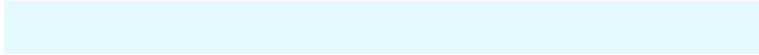
84.2388, 91.6294, 107.8541



91.0213, 91.6294, 97.1016

Square

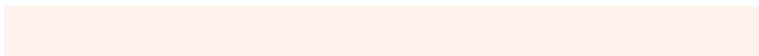
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



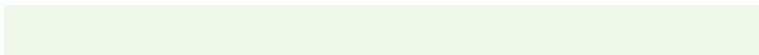
84.2388, 91.6294, 107.8541



89.8702, 91.6294, 108.2582



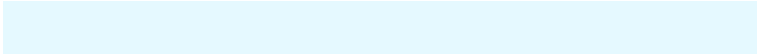
90.0069, 91.6294, 92.0981



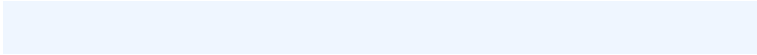
84.3697, 91.6294, 91.7354

Rectangle

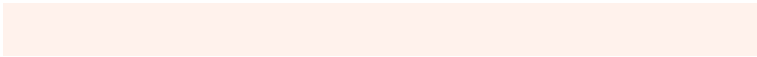
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2388, 91.6294, 107.8541



87.3442, 91.6294, 111.5975



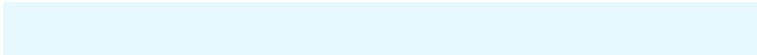
90.0069, 91.6294, 92.0981



86.8383, 91.6294, 88.8071

Sweetspot

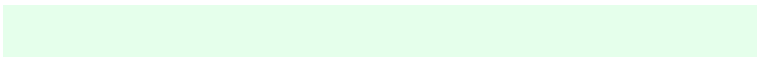
The Sweet Spot groups the original color and five complimentary colors.



84.2412, 91.6331, 107.8547



91.7312, 97.4576, 108.5842



83.0165, 94.1555, 92.1195



19.4486, 20.7169, 23.2237



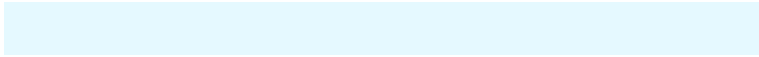
0.0000, 0.0000, 0.0000



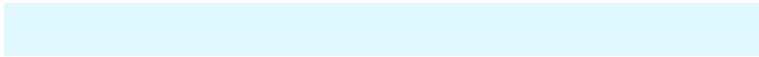
20.3446, 21.4041, 23.3091

Same Dimension

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



84.2412, 91.6331, 107.8547



82.4649, 90.2319, 107.6779



80.4654, 84.0816, 106.5961



18.1789, 19.7294, 23.1000



19.8889, 24.6874, 53.1515



2.0187, 2.5682, 5.2026

Inverse Universe

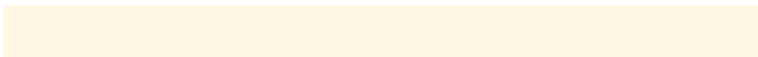
The Inverse Universe completely reimagines the original color for something new.



86.3597, 84.1397, 101.3160



84.9379, 81.5604, 100.0277



88.8381, 93.8272, 87.5585



18.6029, 18.2245, 21.7922



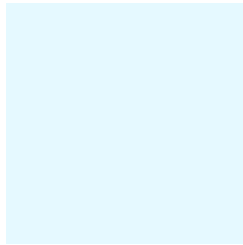
26.8272, 13.2202, 28.8042



2.6536, 1.3038, 3.0231

Previews

White Background



This preview shows how the XYZ color 84.2388, 91.6294, 107.8541 looks on a white background.

Color Contrast Check

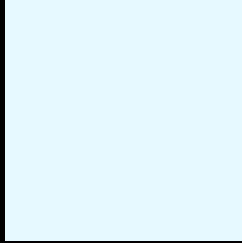
Large Text (above 18pt) WCAG AA × Fail

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 84.2388, 91.6294, 107.8541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

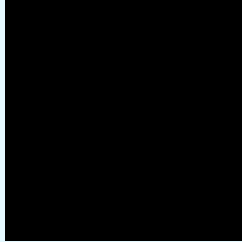
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.2388, 91.6294, 107.8541

Background



This preview shows how black text looks on a background with the XYZ color 84.2388, 91.6294, 107.8541.



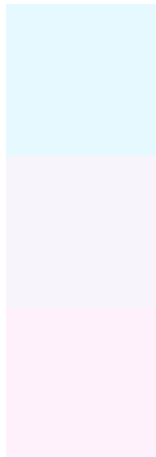
This preview shows how white text looks on a background with the XYZ color 84.2388, 91.6294,

107.8541.

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

84.2388, 91.6294, 107.8541

Protanopia

88.2791, 91.5038, 105.1047

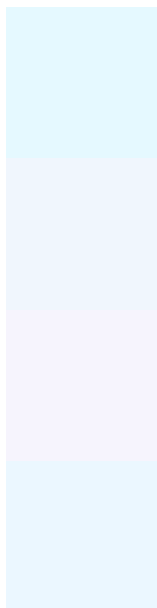
Deuteranopia

90.2660, 91.1989, 104.9411

Tritanopia

86.6024, 91.4823, 107.7011

Trichromacy



Original Color

84.2388, 91.6294, 107.8541

Protanomaly

86.6206, 91.5286, 106.0299

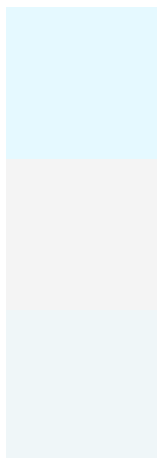
Deuteranomaly

88.0863, 91.3860, 105.9251

Tritanomaly

85.5717, 91.4037, 107.7403

Monochromacy



Original Color

84.2388, 91.6294, 107.8541

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 84.2388, 91.6294, 107.8541 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(229, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.2388, 91.6294, 107.8541 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(229, 249, 255) }
```


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

```
.border{ border-color:rgb(229, 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(229, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2388, 91.6294, 107.8541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 249, 255) }
```

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

```
.background{ background-color: rgb(229,  
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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