

Converting Colors

XYZ(84.7748, 91.2439,
107.7515)

Have a look what the booklet for
XYZ(84.7748, 91.2439, 107.7515)
contains.

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Color

**XYZ(84.8961, 91.5106,
107.7966)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E8F8FF |
| RGB | 232, 248, 255 |
| RGB Percent | 91%, 97%, 100% |
| CMY | 0.0902, 0.0274, 0.0000 |
| CMYK | 0.09, 0.03, 0.00, 0.00 |
| HSL | 198°, 100%, 95% |
| HSV | 198°, 9%, 100% |
| XYZ | 84.8961, 91.5106, 107.7966 |
| YIQ | 244.0140, -11.7830, -1.2150 |

Conversions

Conversions Part 2

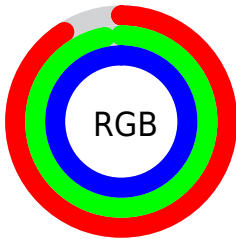
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 232, 241, 255 |
| Decimal | 15268095 |
| CIE Lab | 96.62, -3.90, -5.16 |
| CIE LCh | 97, 6.471, 232.887 |
| Yxy | 91.5106, 0.2987, 0.3220 |
| Android (android.graphics.Color) | 4293458175 (0xFFE8F8FF) |
| YUV | 244.0140, 5.4161, -10.5363 |
| Hunter-Lab | 95.6612, -8.9943, 0.1514 |

Details

The XYZ color **84.8961, 91.5106, 107.7966** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6713, 88.8173, 88.9208**, and the grayscale version is **85.9671, 90.4441, 98.4937**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9472, 51.0066, 60.7970** is the 20% darker color. If you saturate the color by 10%, you get **74.8770, 82.8813, 106.6590**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

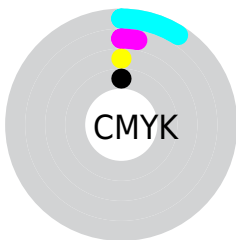
Distribution



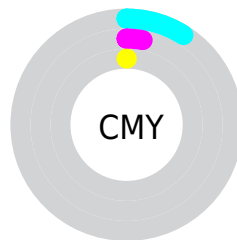
- Red (91%)
- Green (97%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8961, 91.5106, 107.7966 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 84.8961, 91.5106, 107.7966 by changing the saturation by 10% instead.

84.8961, 91.5106,
107.7966

84.8961, 91.5106,
107.7966

499.7731,
532.9326, 606.3693

64.0777, 69.2342,
82.1745

139.1428,
149.4349, 173.9759

46.9756, 50.9025,
60.9727

173.3018,
185.8516, 215.3703

33.2242, 36.1310,
43.7727

212.6384,
227.7506, 262.8591

22.4583, 24.5354,
30.1560

257.5180,
275.5162, 316.8609

14.3125, 15.7312,
19.7040

308.3059,
329.5328, 377.7943

8.4215, 9.3342,
11.9981

365.3675,

4.4199, 4.9598,

390.1848, 446.0778

6.6199

429.0681,
457.8566, 522.1300

■ 1.9423, 2.2237,
3.1507

■ 0.6012, 0.7329,
1.1721

■ 84.8961, 91.5106,
107.7966

■ 84.8961, 91.5106,
107.7966

■ 74.8770, 82.8813,
106.6590

95.0500, 100.0000,
108.9000

■ 66.1026, 75.0361,
105.6072

■ 58.5189, 67.9478,
104.6387

■ 52.0649, 61.5833,
103.7504

■ 46.6739, 55.9062,
102.9387

■ 42.2717, 50.8764,
102.1999

■ 38.7737, 46.4485,
101.5296

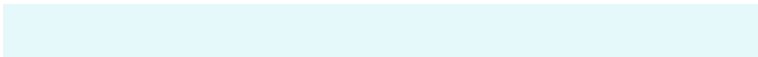
■ 36.0798, 42.5687,
100.9227

■ 34.0428, 39.1592,
100.3720

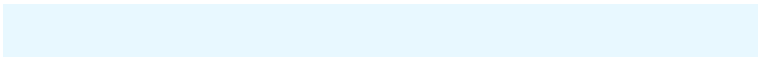
Harmonies

Analogous

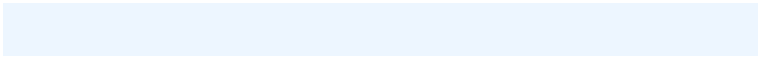
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8127, 91.5106, 103.5643



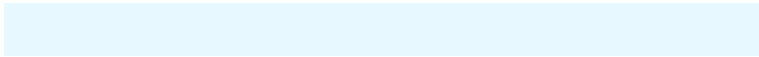
84.8961, 91.5106, 107.7966



86.5481, 91.5106, 109.8552

Triad

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



84.8961, 91.5106, 107.7966



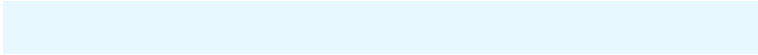
90.4756, 91.5106, 100.8781



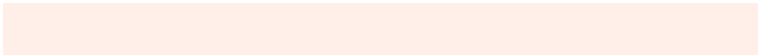
85.6323, 91.5106, 90.7408

Complementary

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



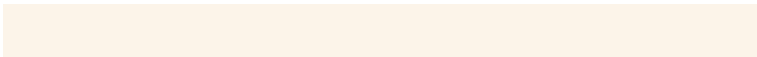
84.8961, 91.5106, 107.7966



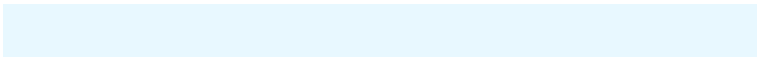
86.6713, 88.8173, 88.9208

Split Complementary

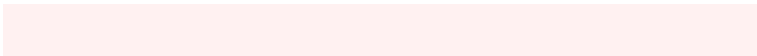
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4095, 91.5106, 90.0776



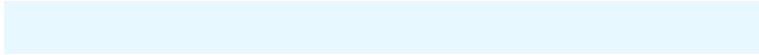
84.8961, 91.5106, 107.7966



90.2222, 91.5106, 95.8151

Square

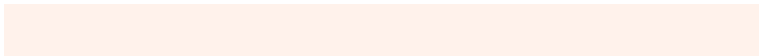
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8961, 91.5106, 107.7966



89.7815, 91.5106, 105.7720



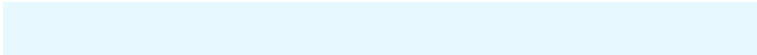
89.0938, 91.5106, 91.9046



84.2336, 91.5106, 93.7487

Rectangle

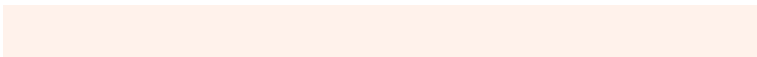
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8961, 91.5106, 107.7966



87.7562, 91.5106, 109.6693



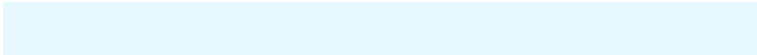
89.0938, 91.5106, 91.9046



86.2046, 91.5106, 90.2406

Sweetspot

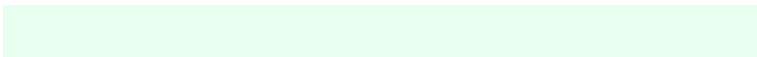
The Sweet Spot groups the original color and five complimentary colors.



84.8985, 91.5143, 107.7971



91.5536, 97.1023, 108.5250



84.6048, 94.9023, 95.4438



19.4006, 20.6209, 23.2077



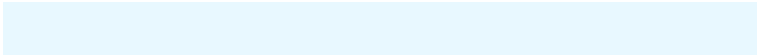
0.0000, 0.0000, 0.0000



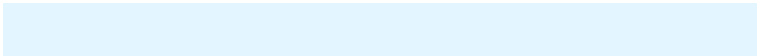
20.3446, 21.4041, 23.3091

Same Dimension

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



84.8985, 91.5143, 107.7971



82.8114, 89.7400, 107.5647



81.4983, 84.7141, 106.6638



18.0612, 19.4941, 23.0608



17.8306, 20.5707, 52.4654



1.8325, 2.1957, 5.1405

Inverse Universe

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



87.0413, 85.7520, 100.7756



85.4021, 82.8535, 99.0578



90.1159, 95.7066, 90.0691



18.5436, 18.2007, 21.4795



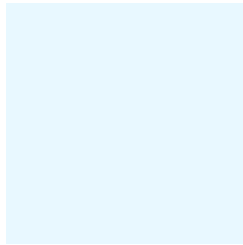
25.7882, 12.8046, 23.3331



2.5596, 1.2662, 2.5281

Previews

White Background



This preview shows how the XYZ color 84.8961, 91.5106, 107.7966 looks on a white background.

Color Contrast Check

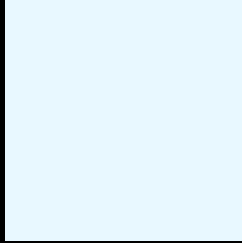
Large Text (above 18pt) WCAG AA × Fail

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 84.8961, 91.5106, 107.7966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

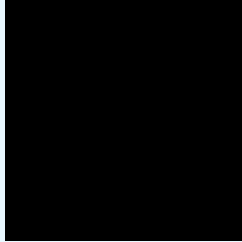
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

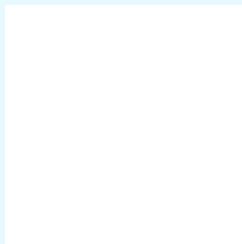
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.8961, 91.5106, 107.7966

Background



This preview shows how black text looks on a background with the XYZ color 84.8961, 91.5106, 107.7966.

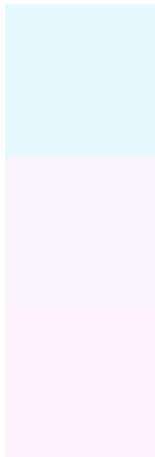


This preview shows how white text looks on a background with the XYZ color 84.8961, 91.5106,

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

84.8961, 91.5106, 107.7966

Protanopia

88.2791, 91.5038, 105.1047

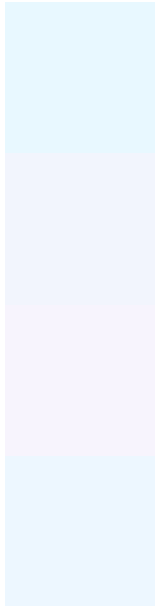
Deuteranopia

90.2660, 91.1989, 104.9411

Tritanopia

86.9409, 91.6568, 107.7170

Trichromacy



Original Color

84.8961, 91.5106, 107.7966

Protanomaly

87.0000, 91.2739, 105.9607

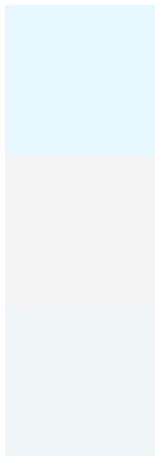
Deuteranomaly

88.4381, 91.5674, 105.9416

Tritanomaly

86.2358, 91.7461, 107.7714

Monochromacy



Original Color

84.8961, 91.5106, 107.7966

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5309, 90.6074, 101.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8961, 91.5106, 107.7966 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(232, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 248, 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(232, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.8961, 91.5106, 107.7966 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(232, 248, 255) }
```


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

```
.border{ border-color:rgb(232, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8961, 91.5106, 107.7966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 248, 255) }
```

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

```
.background{ background-color: rgb(232,  
248, 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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