

Converting Colors

XYZ(98.5443, 96.3613,
179.6867)

Have a look what the booklet for
XYZ(98.5443, 96.3613, 179.6867)
contains.

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Color

**XYZ(84.9150, 91.0652,
107.7096)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F7FF
RGB	233, 247, 255
RGB Percent	91%, 97%, 100%
CMY	0.0863, 0.0314, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	202°, 100%, 96%
HSV	202°, 9%, 100%
XYZ	84.9150, 91.0652, 107.7096
YIQ	243.7260, -10.9120, -0.4800

Conversions

Conversions Part 2

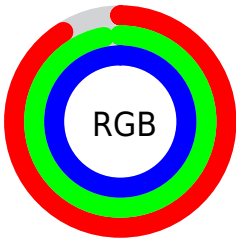
Format	Color
R _Y B	233, 242, 255
Decimal	15333375
CIE Lab	96.44, -3.08, -5.42
CIE LCh	96, 6.236, 240.402
Yxy	91.0652, 0.2993, 0.3210
Android (android.graphics.Color)	4293523455 (0xFFE9F7FF)
YUV	243.7260, 5.5581, -9.4067
Hunter-Lab	95.4281, -8.1641, -0.1209

Details

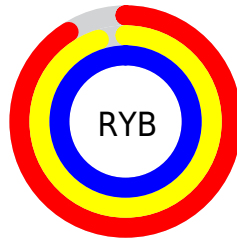
The XYZ color **84.9150, 91.0652, 107.7096** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4024, 90.0516, 89.8673**, and the grayscale version is **85.7354, 90.2003, 98.2282**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9553, 50.6859, 60.7346** is the 20% darker color. If you saturate the color by 10%, you get **74.4211, 81.5548, 106.4270**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

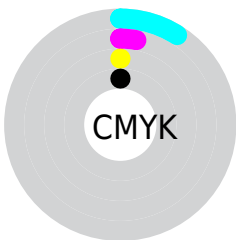
Distribution



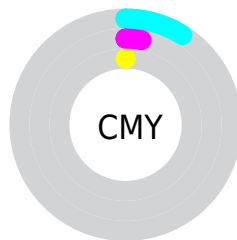
- Red (91%)
- Green (97%)
- Blue (100%)



- 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 84.9150, 91.0652, 107.7096 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 84.9150, 91.0652, 107.7096 by changing the saturation by 10% instead.

84.9150, 91.0652,
107.7096

84.9150, 91.0652,
107.7096

499.8347,
531.4898, 606.0941

64.0934, 68.8645,
82.1019

139.1691,
148.8171, 173.8562

46.9883, 50.6013,
60.9132

173.3322,
185.1371, 215.2322

33.2343, 35.8914,
43.7250

212.6733,
226.9323, 262.7014

22.4661, 24.3504,
30.1188

257.5576,
274.5870, 316.6824

14.3183, 15.5937,
19.6760

308.3506,
328.4858, 377.5935

8.4256, 9.2371,
11.9780

365.4175,

4.4225, 4.8962,

389.0129, 445.8535

6.6063

429.1237,
456.5528, 521.8809

■ 1.9438, 2.1865,
3.1425

■ 0.6021, 0.7126,
1.1678

■ 84.9150, 91.0652,
107.7096

■ 84.9150, 91.0652,
107.7096

■ 74.4211, 81.5548,
106.4270

95.0500, 100.0000,
108.9000

■ 65.2152, 72.9120,
105.2440

■ 57.2426, 65.1080,
104.1578

■ 50.4416, 58.1079,
103.1651

■ 44.7448, 51.8737,
102.2621

■ 40.0774, 46.3635,
101.4445

■ 36.3544, 41.5302,
100.7078

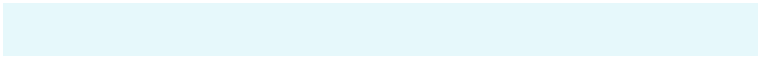
■ 33.4754, 37.3185,
100.0466

■ 31.2983, 33.6516,
99.4536

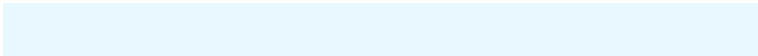
Harmonies

Analogous

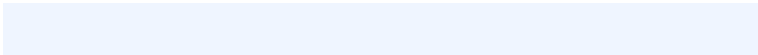
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7049, 91.0652, 104.0762



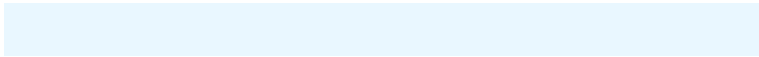
84.9150, 91.0652, 107.7096



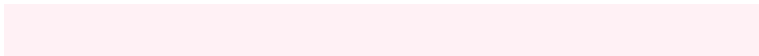
86.5782, 91.0652, 109.0341

Triad

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



84.9150, 91.0652, 107.7096



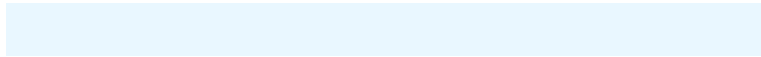
89.9390, 91.0652, 99.0873



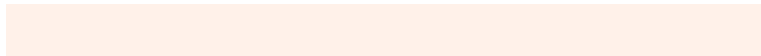
84.8749, 91.0652, 91.1284

Complementary

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



84.9150, 91.0652, 107.7096



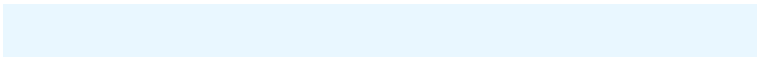
87.4024, 90.0516, 89.8673

Split Complementary

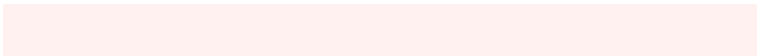
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5313, 91.0652, 89.8905



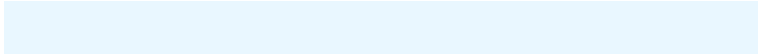
84.9150, 91.0652, 107.7096



89.4685, 91.0652, 94.3905

Square

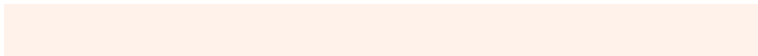
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



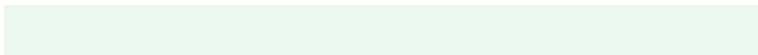
84.9150, 91.0652, 107.7096



89.4925, 91.0652, 103.9561



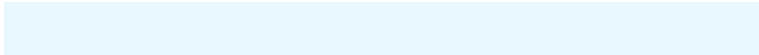
88.2155, 91.0652, 91.0649



83.6820, 91.0652, 94.5031

Rectangle

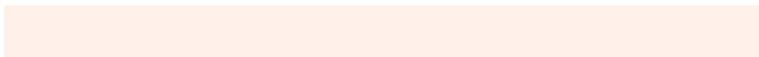
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9150, 91.0652, 107.7096



87.7247, 91.0652, 108.3961



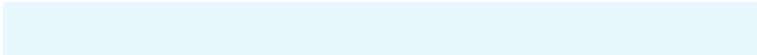
88.2155, 91.0652, 91.0649



85.3952, 91.0652, 90.4537

Sweetspot

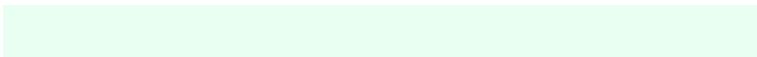
The Sweet Spot groups the original color and five complimentary colors.



84.9174, 91.0689, 107.7102



91.4108, 96.8169, 108.4774



85.1974, 95.1770, 96.8659



19.3620, 20.5437, 23.1948



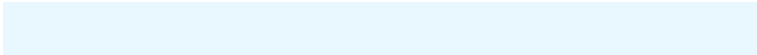
0.0000, 0.0000, 0.0000



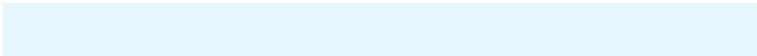
20.3446, 21.4041, 23.3091

Same Dimension

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



84.9174, 91.0689, 107.7102



83.3975, 89.7096, 107.5279



81.7372, 84.7087, 106.6501



17.9672, 19.3061, 23.0294



16.3601, 17.6298, 51.9752



1.6969, 1.9245, 5.0953

Inverse Universe

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



87.1688, 86.2546, 100.0548



85.9915, 84.2132, 98.6966



90.6646, 96.5760, 90.9547



18.4961, 18.1818, 21.2297



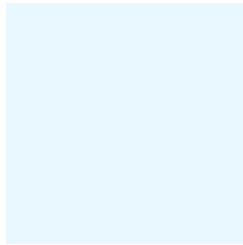
25.0460, 12.5077, 19.4247



2.4911, 1.2388, 2.1676

Previews

White Background



This preview shows how the XYZ color 84.9150, 91.0652, 107.7096 looks on a white background.

Color Contrast Check

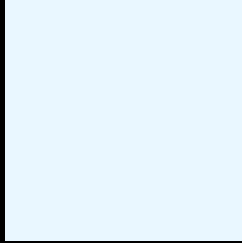
Large Text (above 18pt) WCAG AA × Fail

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 84.9150, 91.0652, 107.7096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

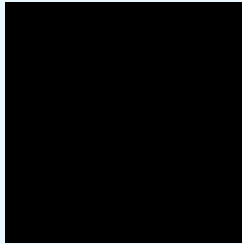
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

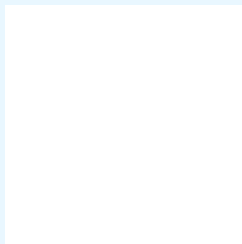
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9150, 91.0652, 107.7096

Background



This preview shows how black text looks on a background with the XYZ color 84.9150, 91.0652, 107.7096.



This preview shows how white text looks on a background with the XYZ color 84.9150, 91.0652,

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

84.9150, 91.0652, 107.7096

Protanopia

87.7863, 90.7859, 105.8251

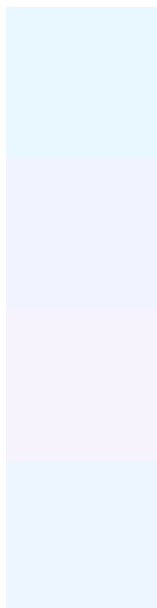
Deuteranopia

89.9708, 90.6085, 104.8427

Tritanopia

86.6376, 91.0501, 107.6159

Trichromacy



Original Color

84.9150, 91.0652, 107.7096

Protanomaly

86.5157, 90.5579, 106.6855

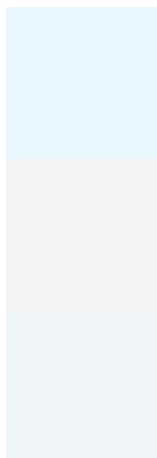
Deuteranomaly

88.1380, 90.9672, 105.8416

Tritanomaly

85.9308, 91.1361, 107.6697

Monochromacy



Original Color

84.9150, 91.0652, 107.7096

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 84.9150, 91.0652, 107.7096 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(233, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 247, 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(233, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.9150, 91.0652, 107.7096 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(233, 247, 255) }
```


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

```
.border{ border-color:rgb(233, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9150, 91.0652, 107.7096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 247, 255) }
```

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

```
.background{ background-color: rgb(233,  
247, 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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