

Converting Colors

XYZ(84.3693, 91.4792,
110.3003)

Have a look what the booklet for
XYZ(84.3693, 91.4792, 110.3003)
contains.

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Color

**XYZ(83.9206, 91.4653,
107.8392)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F9FF
RGB	228, 249, 255
RGB Percent	89%, 98%, 100%
CMY	0.1059, 0.0235, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	193°, 100%, 95%
HSV	193°, 11%, 100%
XYZ	83.9206, 91.4653, 107.8392
YIQ	243.4050, -14.4420, -2.5860

Conversions

Conversions Part 2

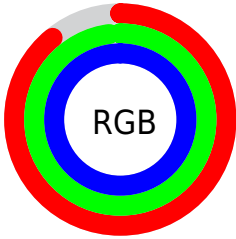
Format	Color
R_{YB}	228, 240, 255
Decimal	15006207
CIE _{Lab}	96.60, -5.68, -5.22
CIE _{LCh}	97, 7.710, 222.597
Yxy	91.4653, 0.2963, 0.3229
Android (android.graphics.Color)	4293196287 (0xFFE4F9FF)
YUV	243.4050, 5.7163, -13.5102
Hunter-Lab	95.6375, -10.7343, 0.0919

Details

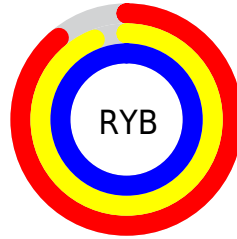
The XYZ color **83.9206, 91.4653, 107.8392** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6659, 85.7055, 85.4809**, and the grayscale version is **85.4801, 89.9317, 97.9357**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2763, 50.9878, 60.8287** is the 20% darker color. If you saturate the color by 10%, you get **74.6967, 84.1536, 106.9141**, and if you desaturate by 10%, it is **94.3951, 99.5051, 108.8390**.

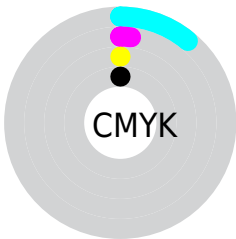
Distribution



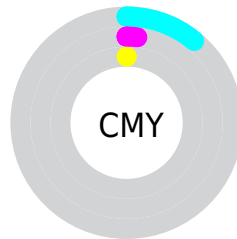
- Red (89%)
- Green (98%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9206, 91.4653, 107.8392 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 83.9206, 91.4653, 107.8392 by changing the saturation by 10% instead.

83.9206, 91.4653,
107.8392

83.9206, 91.4653,
107.8392

496.5872,
532.7860, 606.5041

63.2694, 69.1966,
82.2101

137.7859,
149.3721, 174.0345

46.3186, 50.8718,
61.0019

171.7308,
185.7790, 215.4378

32.7030, 36.1066,
43.7961

210.8375,
227.6674, 262.9362

22.0572, 24.5166,
30.1742

255.4715,
275.4217, 316.9483

14.0158, 15.7172,
19.7177

305.9981,
329.4263, 377.8926

8.2134, 9.3243,
12.0080

362.7827,

4.2848, 4.9533,

390.0656, 446.1876

6.6265

426.1906,
457.7241, 522.2519

■ 1.8645, 2.2199,
3.1548

■ 0.5561, 0.7308,
1.1742

■ 83.9206, 91.4653,
107.8392

■ 83.9206, 91.4653,
107.8392

■ 74.6967, 84.1536,
106.9141

94.3951, 99.5051,
108.8390

■ 66.6638, 77.5309,
106.0592

95.0500, 100.0000,
108.9000

■ 59.7679, 71.5714,
105.2723

■ 53.9480, 66.2428,
104.5505

■ 49.1372, 61.5099,
103.8905

■ 45.2606, 57.3335,
103.2887

■ 42.2325, 53.6685,
102.7409

■ 39.9504, 50.4615,
102.2422

■ 38.3308, 47.7816,
101.8103

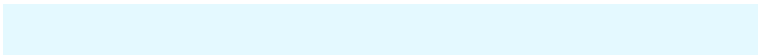
Harmonies

Analogous

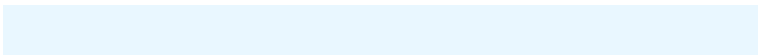
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9539, 91.4653, 102.2005



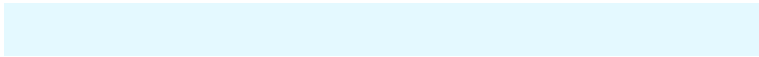
83.9206, 91.4653, 107.8392



85.7017, 91.4653, 111.3473

Triad

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



83.9206, 91.4653, 107.8392



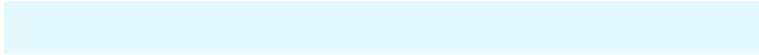
90.9488, 91.4653, 103.1815



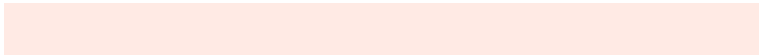
86.0346, 91.4653, 88.4530

Complementary

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



83.9206, 91.4653, 107.8392



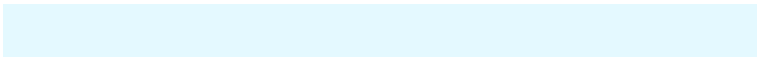
84.6659, 85.7055, 85.4809

Split Complementary

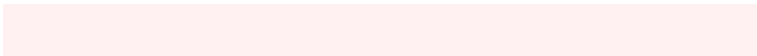
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1801, 91.4653, 88.6912



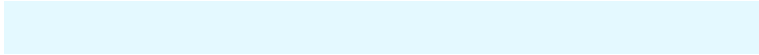
83.9206, 91.4653, 107.8392



91.0415, 91.4653, 97.0247

Square

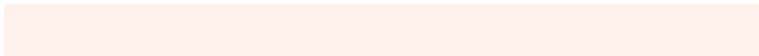
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



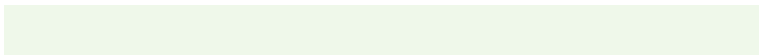
83.9206, 91.4653, 107.8392



89.7696, 91.4653, 108.5829



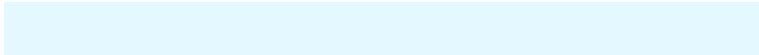
90.0208, 91.4653, 91.7729



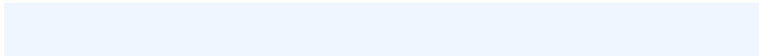
84.1608, 91.4653, 91.1082

Rectangle

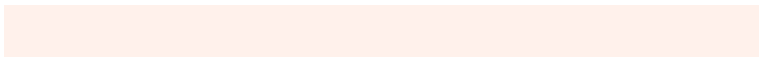
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9206, 91.4653, 107.8392



87.1229, 91.4653, 111.9203



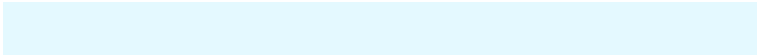
90.0208, 91.4653, 91.7729



86.7474, 91.4653, 88.2006

Sweetspot

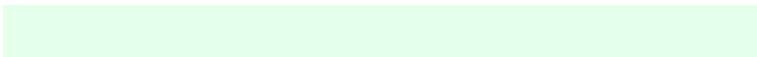
The Sweet Spot groups the original color and five complimentary colors.



83.9230, 91.4690, 107.8398



91.7518, 97.4988, 108.5911



82.5856, 93.9464, 91.5111



19.4542, 20.7281, 23.2255



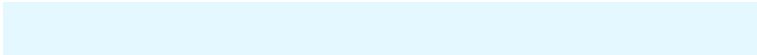
0.0000, 0.0000, 0.0000



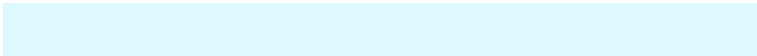
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9230, 91.4690, 107.8398



81.5849, 89.6391, 107.6098



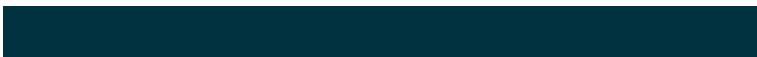
79.9409, 83.5049, 106.5125



18.1926, 19.7568, 23.1045



20.1448, 25.1993, 53.2368



2.0417, 2.6140, 5.2102

Inverse Universe

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



86.0838, 83.5880, 101.2239



84.2088, 80.1778, 99.5514



88.6120, 93.5978, 86.7963



18.6099, 18.2273, 21.8287



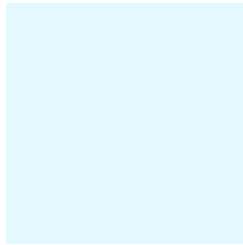
26.9564, 13.2718, 29.4845



2.6651, 1.3084, 3.0841

Previews

White Background



This preview shows how the XYZ color 83.9206, 91.4653, 107.8392 looks on a white background.

Color Contrast Check

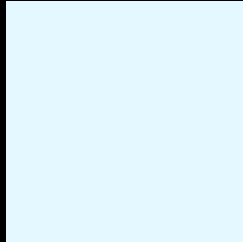
Large Text (above 18pt) WCAG AA × Fail

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 83.9206, 91.4653, 107.8392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

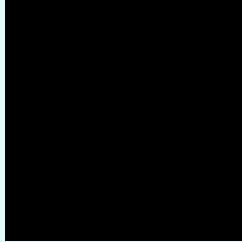
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

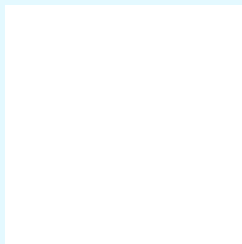
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9206, 91.4653, 107.8392

Background



This preview shows how black text looks on a background with the XYZ color 83.9206, 91.4653, 107.8392.



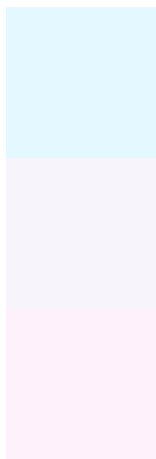
This preview shows how white text looks on a background with the XYZ color 83.9206, 91.4653,

107.8392.

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

83.9206, 91.4653, 107.8392

Protanopia

88.2791, 91.5038, 105.1047

Deuteranopia

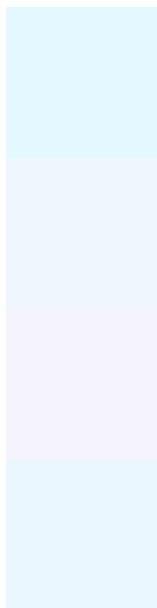
90.2660, 91.1989, 104.9411



Tritanopia

86.2657, 91.3087, 107.6854

Trichromacy



Original Color

83.9206, 91.4653, 107.8392

Protanomaly

86.6206, 91.5286, 106.0299

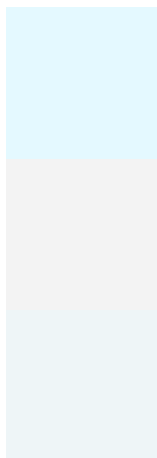
Deuteranomaly

87.7365, 91.2057, 105.9088

Tritanomaly

85.2424, 91.2340, 107.7249

Monochromacy



Original Color

83.9206, 91.4653, 107.8392

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7008, 90.1974, 100.9413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9206, 91.4653, 107.8392 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(228, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.9206, 91.4653, 107.8392 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(228, 249, 255) }
```


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

```
.border{ border-color:rgb(228, 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(228, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9206, 91.4653, 107.8392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 249, 255) }
```

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

```
.background{ background-color: rgb(228,  
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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