

Converting Colors

XYZ(82.3065, 90.4003,
105.1400)

Have a look what the booklet for
XYZ(82.3065, 90.4003, 105.1400)
contains.

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Color

**XYZ(82.1894, 90.1706,
105.1683)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F8FC
RGB	225, 248, 252
RGB Percent	88%, 97%, 99%
CMY	0.1176, 0.0274, 0.0118
CMYK	0.11, 0.02, 0.00, 0.01
HSL	189°, 82%, 94%
HSV	189°, 11%, 99%
XYZ	82.1894, 90.1706, 105.1683
YIQ	241.5790, -14.9920, -3.6320

Conversions

Conversions Part 2

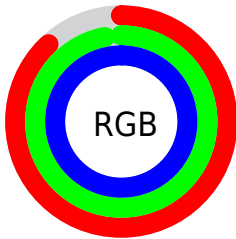
Format	Color
R_{YB}	225, 237, 252
Decimal	14809340
CIE _{Lab}	96.07, -6.70, -4.48
CIE _{LCh}	96, 8.056, 213.780
Yxy	90.1706, 0.2961, 0.3249
Android (android.graphics.Color)	4292999420 (0xFFE1F8FC)
YUV	241.5790, 5.1376, -14.5398
Hunter-Lab	94.9582, -11.6793, 0.8058

Details

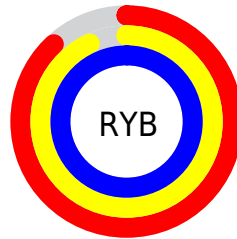
The XYZ color **82.1894, 90.1706, 105.1683** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7553, 82.1699, 82.7871**, and the grayscale version is **84.0368, 88.4132, 96.2820**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2775, 50.1855, 58.9301** is the 20% darker color. If you saturate the color by 10%, you get **73.7711, 84.1477, 104.4509**, and if you desaturate by 10%, it is **91.7952, 96.8445, 105.9516**.

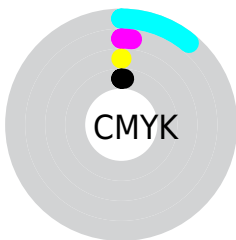
Distribution



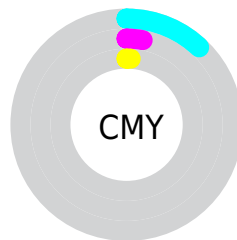
- Red (88%)
- Green (97%)
- Blue (99%)



- Red (88%)
- Yellow (93%)
- Blue (99%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (12%)
- Magenta (3%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1894, 90.1706, 105.1683 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 82.1894, 90.1706, 105.1683 by changing the saturation by 10% instead.

82.1894, 90.1706,
105.1683

82.1894, 90.1706,
105.1683

490.9059,
528.5856, 598.0263

61.8363, 68.1221,
79.9829

135.3740,
147.5753, 170.3553

45.1555, 49.9971,
59.1782

168.9362,
183.7004, 211.1939

31.7818, 35.4111,
42.3356

207.6322,
225.2865, 258.0874

21.3496, 23.9797,
29.0367

251.8273,
272.7180, 311.4543

13.4937, 15.3186,
18.8627

301.8869,
326.3792, 371.7130

7.8487, 9.0433,
11.3953

358.1763,

4.0493, 4.7694,

386.6547, 439.2823

6.2159

421.0608,
453.9287, 514.5805

■ 1.7301, 2.1126,
2.9059

■ 0.4750, 0.6717,
1.0468

■ 82.1894, 90.1706,
105.1683

■ 82.1894, 90.1706,
105.1683

■ 73.7711, 84.1477,
104.4509

■ 91.7952, 96.8445,
105.9516

■ 66.4818, 78.7381,
103.7909

■ 94.5710, 99.8084,
106.3774

■ 60.2695, 73.9173,
103.1878

■ 55.0754, 69.6546,
102.6388

■ 50.8344, 65.9166,
102.1408

■ 47.4743, 62.6655,
101.6904

■ 44.9119, 59.8584,
101.2836

■ 43.0478, 57.4439,
100.9158

■ 41.7955, 55.4774,
100.6023

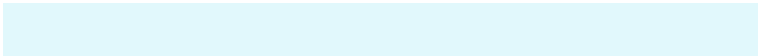
Harmonies

Analogous

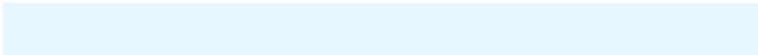
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4964, 90.1706, 98.9923



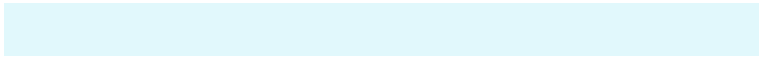
82.1894, 90.1706, 105.1683



83.8238, 90.1706, 109.6150

Triad

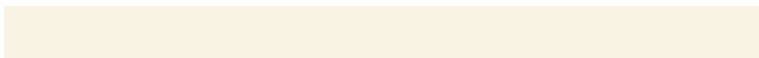
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1894, 90.1706, 105.1683



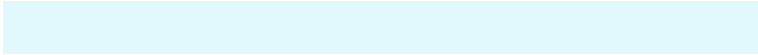
89.6092, 90.1706, 103.7070



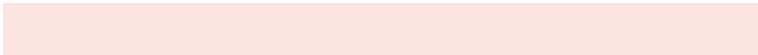
85.4221, 90.1706, 86.4289

Complementary

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



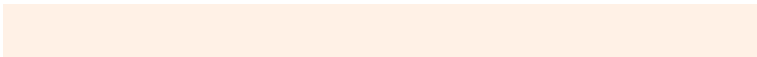
82.1894, 90.1706, 105.1683



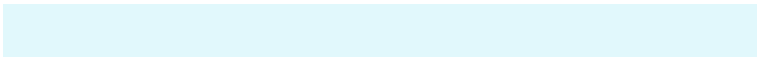
81.7553, 82.1699, 82.7871

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.



87.6130, 90.1706, 87.5701



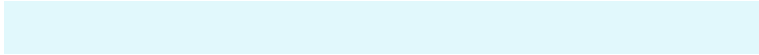
82.1894, 90.1706, 105.1683



90.0549, 90.1706, 97.3730

Square

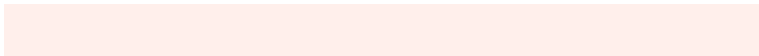
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1894, 90.1706, 105.1683



88.1109, 90.1706, 108.7460



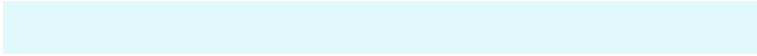
89.3183, 90.1706, 91.5092



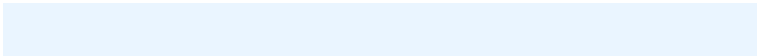
83.3422, 90.1706, 88.3224

Rectangle

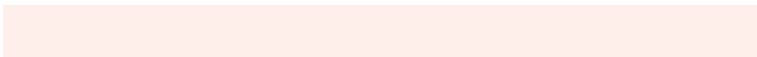
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



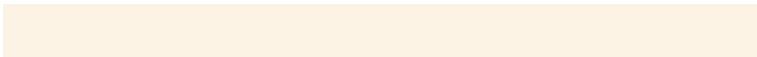
82.1894, 90.1706, 105.1683



85.2407, 90.1706, 110.9022



89.3183, 90.1706, 91.5092



86.1699, 90.1706, 86.4708

Sweetspot

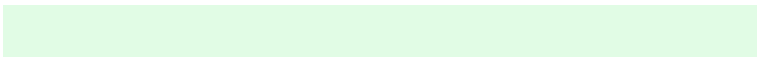
The Sweet Spot groups the original color and five complimentary colors.



82.1920, 90.1744, 105.1703



91.9312, 97.8575, 108.6508



79.9503, 91.2647, 87.2398



19.5027, 20.8252, 23.2417



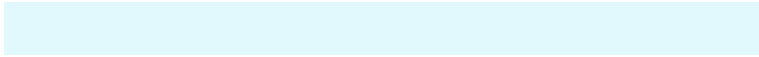
0.0000, 0.0000, 0.0000



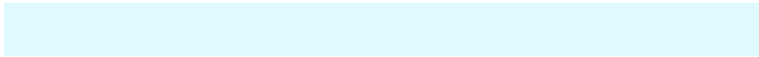
20.3446, 21.4041, 23.3091

Same Dimension

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



82.1920, 90.1744, 105.1703



82.3429, 91.1551, 107.8625



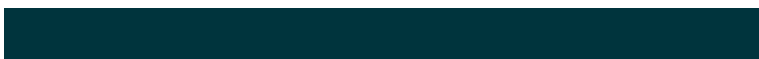
78.3032, 82.3968, 103.8740



17.5341, 19.1449, 22.1565



21.8574, 29.0704, 52.4327



2.0820, 2.8077, 4.8754

Inverse Universe

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



84.0154, 81.3250, 100.0805



84.5914, 80.3309, 101.5662



85.5189, 89.6970, 84.0416



17.8761, 17.4778, 21.2033



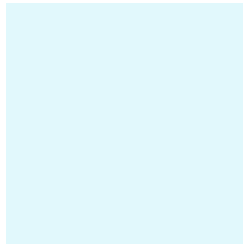
27.3246, 13.3456, 34.7475



2.5598, 1.2477, 3.3714

Previews

White Background



This preview shows how the XYZ color 82.1894, 90.1706, 105.1683 looks on a white background.

Color Contrast Check

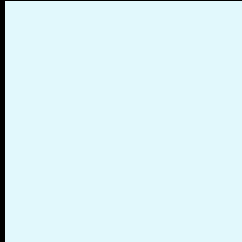
Large Text (above 18pt) WCAG AA × Fail

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 82.1894, 90.1706, 105.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

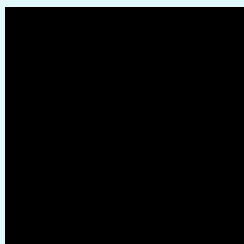
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1894, 90.1706, 105.1683

Background



This preview shows how black text looks on a background with the XYZ color 82.1894, 90.1706, 105.1683.

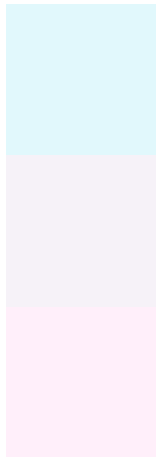


This preview shows how white text looks on a background with the XYZ color 82.1894, 90.1706,

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

82.1894, 90.1706, 105.1683

Protanopia

86.7014, 89.8744, 101.5848

Deuteranopia

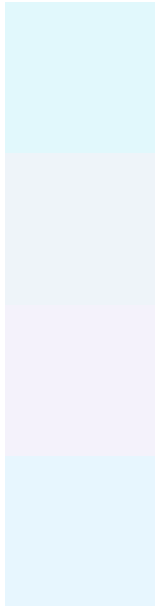
89.3618, 89.8951, 103.0841



Tritanopia

84.9634, 90.1870, 107.5375

Trichromacy



Original Color

82.1894, 90.1706, 105.1683

Protanomaly

84.7095, 89.7181, 102.4752

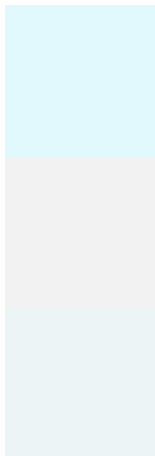
Deuteranomaly

86.4729, 89.7024, 104.0235

Tritanomaly

83.8002, 90.0562, 106.7318

Monochromacy



Original Color

82.1894, 90.1706, 105.1683

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.5773, 89.1881, 99.9988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1894, 90.1706, 105.1683 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(225, 248, 252)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 252)  
}
```

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(225, 248, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 252) }
```

Border

The CSS property to change the border of an element to XYZ 82.1894, 90.1706, 105.1683 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(225, 248, 252) }
```


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

```
.border{ border-color:rgb(225, 248, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 248, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 248, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 248, 252);  
box-shadow:4px 4px 4px 4px rgb(225, 248,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1894, 90.1706, 105.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 252) }
```

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

```
.background{ background-color: rgb(225,  
248, 252) }
```

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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