

Converting Colors

XYZ(84.5229, 90.7401,
107.6675)

Have a look what the booklet for
XYZ(84.5229, 90.7401, 107.6675)
contains.

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Color

**XYZ(84.5895, 90.8973,
107.6943)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F7FF
RGB	232, 247, 255
RGB Percent	91%, 97%, 100%
CMY	0.0902, 0.0314, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	201°, 100%, 95%
HSV	201°, 9%, 100%
XYZ	84.5895, 90.8973, 107.6943
YIQ	243.4270, -11.5080, -0.6920

Conversions

Conversions Part 2

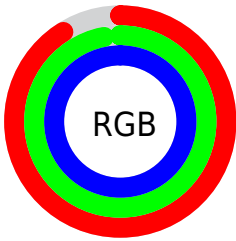
Format	Color
R _Y B	232, 241, 255
Decimal	15267839
CIE Lab	96.37, -3.40, -5.53
CIE LCh	96, 6.492, 238.440
Yxy	90.8973, 0.2987, 0.3210
Android (android.graphics.Color)	4293457919 (0xFFE8F7FF)
YUV	243.4270, 5.7055, -10.0215
Hunter-Lab	95.3401, -8.4728, -0.2348

Details

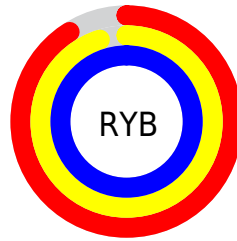
The XYZ color **84.5895, 90.8973, 107.6943** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9650, 89.4047, 89.0189**, and the grayscale version is **85.4961, 89.9485, 97.9540**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7283, 50.5689, 60.7240** is the 20% darker color. If you saturate the color by 10%, you get **74.2589, 81.6450, 106.4529**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

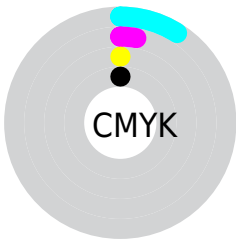
Distribution



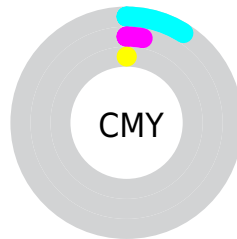
- Red (91%)
- Green (97%)
- Blue (100%)



- 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 84.5895, 90.8973, 107.6943 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 84.5895, 90.8973, 107.6943 by changing the saturation by 10% instead.

84.5895, 90.8973,
107.6943

84.5895, 90.8973,
107.6943

498.7729,
530.9454, 606.0457

63.8236, 68.7251,
82.0891

138.7165,
148.5842, 173.8352

46.7690, 50.4879,
60.9028

172.8083,
184.8676, 215.2080

33.0602, 35.8012,
43.7167

212.0728,
226.6236, 262.6737

22.3320, 24.2807,
30.1123

256.8753,
274.2365, 316.6510

14.2191, 15.5420,
19.6710

307.5812,
328.0908, 377.5582

8.3559, 9.2006,
11.9744

364.5559,

4.3772, 4.8723,

388.5707, 445.8141

6.6040

428.1647,
456.0608, 521.8371

■ 1.9177, 2.1725,
3.1410

■ 0.5871, 0.7049,
1.1671

■ 84.5895, 90.8973,
107.6943

■ 84.5895, 90.8973,
107.6943

■ 74.2589, 81.6450,
106.4529

95.0500, 100.0000,
108.9000

■ 65.2025, 73.2358,
105.3071

■ 57.3656, 65.6413,
104.2543

■ 50.6868, 58.8271,
103.2910

■ 45.0986, 52.7555,
102.4136

■ 40.5261, 47.3852,
101.6181

■ 36.8841, 42.6693,
100.8997

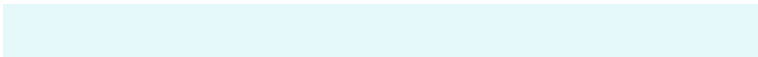
■ 34.0719, 38.5528,
100.2534

■ 31.9413, 34.9562,
99.6715

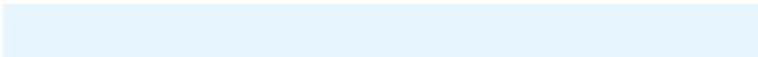
Harmonies

Analogous

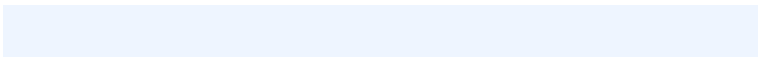
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3761, 90.8973, 103.7862



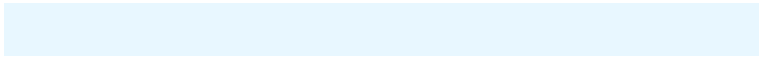
84.5895, 90.8973, 107.6943



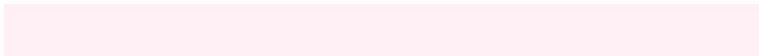
86.3006, 90.8973, 109.2548

Triad

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



84.5895, 90.8973, 107.6943



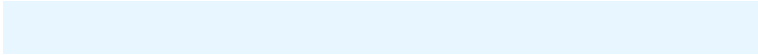
89.9148, 90.8973, 99.2429



84.7512, 90.8973, 90.4779

Complementary

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



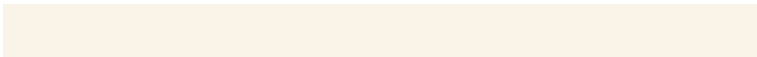
84.5895, 90.8973, 107.6943



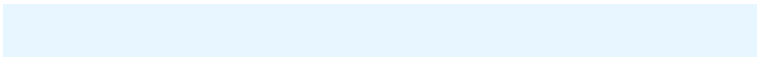
86.9650, 89.4047, 89.0189

Split Complementary

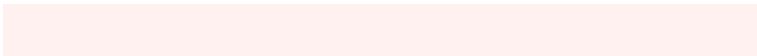
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4898, 90.8973, 89.3550



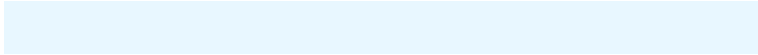
84.5895, 90.8973, 107.6943



89.4862, 90.8973, 94.3084

Square

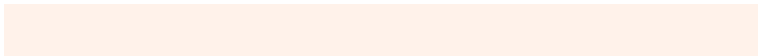
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5895, 90.8973, 107.6943



89.3894, 90.8973, 104.2713



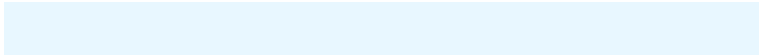
88.2263, 90.8973, 90.7333



83.4685, 90.8973, 93.8548

Rectangle

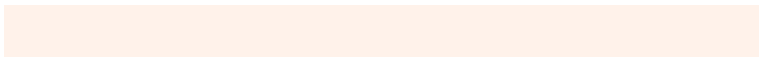
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5895, 90.8973, 107.6943



87.4987, 90.8973, 108.7140



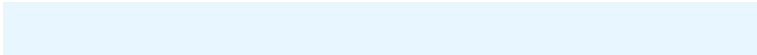
88.2263, 90.8973, 90.7333



85.3009, 90.8973, 89.8296

Sweetspot

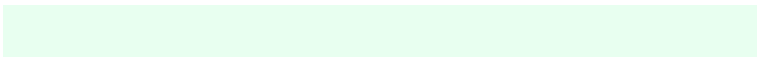
The Sweet Spot groups the original color and five complimentary colors.



84.5919, 90.9010, 107.6949



91.4488, 96.8928, 108.4901



84.7184, 94.9478, 96.0415



19.3722, 20.5642, 23.1982



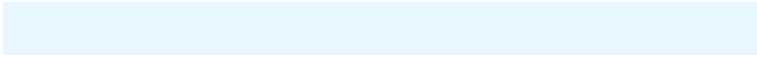
0.0000, 0.0000, 0.0000



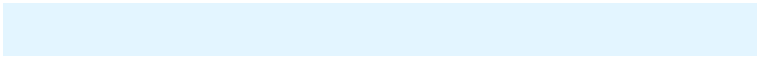
20.3446, 21.4041, 23.3091

Same Dimension

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



84.5919, 90.9010, 107.6949



82.4406, 88.9984, 107.4411



81.2775, 84.2723, 106.5901



17.9922, 19.3560, 23.0377



16.7356, 18.3808, 52.1004



1.7318, 1.9942, 5.1069

Inverse Universe

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



86.8866, 85.6902, 99.9605



85.2149, 82.7786, 98.0723



90.3552, 96.1851, 90.1490



18.5087, 18.1868, 21.2960



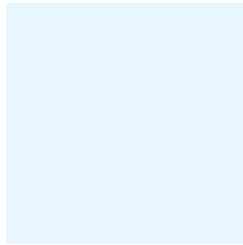
25.2356, 12.5835, 20.4227



2.5087, 1.2459, 2.2604

Previews

White Background



This preview shows how the XYZ color 84.5895, 90.8973, 107.6943 looks on a white background.

Color Contrast Check

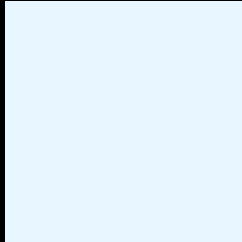
Large Text (above 18pt) WCAG AA × Fail

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 84.5895, 90.8973, 107.6943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

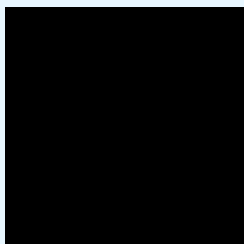
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

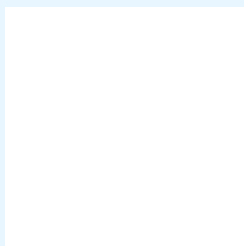
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.5895, 90.8973, 107.6943

Background



This preview shows how black text looks on a background with the XYZ color 84.5895, 90.8973, 107.6943.

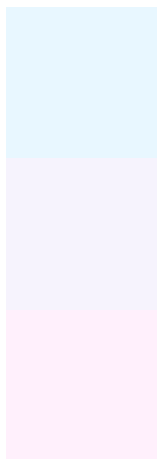


This preview shows how white text looks on a background with the XYZ color 84.5895, 90.8973,

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

84.5895, 90.8973, 107.6943

Protanopia

87.7863, 90.7859, 105.8251

Deuteranopia

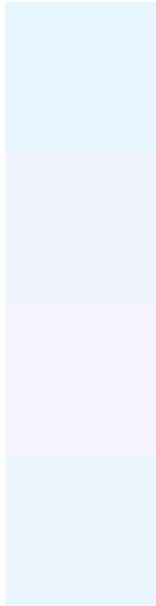
89.9708, 90.6085, 104.8427



Tritanopia

86.2990, 90.8755, 107.6000

Trichromacy



Original Color

84.5895, 90.8973, 107.6943

Protanomaly

86.5157, 90.5579, 106.6855

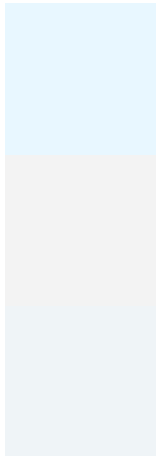
Deuteranomaly

88.1380, 90.9672, 105.8416

Tritanomaly

85.5978, 90.9644, 107.6541

Monochromacy



Original Color

84.5895, 90.8973, 107.6943

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7358, 89.7675, 100.8565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5895, 90.8973, 107.6943 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.5895, 90.8973, 107.6943 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, 247, 255) }
```


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

```
.border{ border-color:rgb(232, 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(232, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5895, 90.8973, 107.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 247, 255) }
```

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

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