

Converting Colors

XYZ(108.8198, 100.0000,
228.2372)

Have a look what the booklet for
XYZ(108.8198, 100.0000, 228.2372)
contains.

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Color

**XYZ(85.9623, 90.7020,
107.5843)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF5FF
RGB	238, 245, 255
RGB Percent	93%, 96%, 100%
CMY	0.0667, 0.0392, 0.0000
CMYK	0.07, 0.04, 0.00, 0.00
HSL	215°, 100%, 97%
HSV	215°, 7%, 100%
XYZ	85.9623, 90.7020, 107.5843
YIQ	244.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

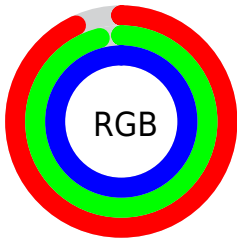
Format	Color
R _Y B	238, 243, 255
Decimal	15660543
CIE Lab	96.29, -0.46, -5.60
CIE LCh	96, 5.622, 265.275
Yxy	90.7020, 0.3024, 0.3191
Android (android.graphics.Color)	4293850623 (0xFFEEF5FF)
YUV	244.0470, 5.3998, -5.3032
Hunter-Lab	95.2376, -5.5501, -0.3101

Details

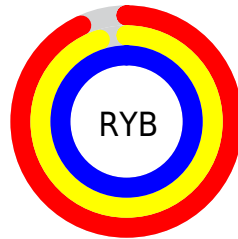
The XYZ color **85.9623, 90.7020, 107.5843** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2391, 94.5656, 94.3872**, and the grayscale version is **85.9912, 90.4694, 98.5212**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6820, 50.4175, 60.6445** is the 20% darker color. If you saturate the color by 10%, you get **73.6466, 77.8924, 105.7609**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

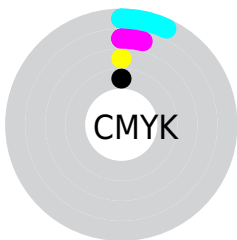
Distribution



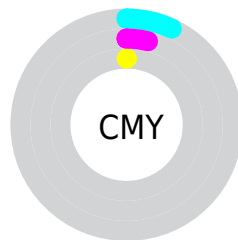
- Red (93%)
- Green (96%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9623, 90.7020, 107.5843 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 85.9623, 90.7020, 107.5843 by changing the saturation by 10% instead.

85.9623, 90.7020,
107.5843

85.9623, 90.7020,
107.5843

503.2427,
530.3118, 605.6976

64.9620, 68.5630,
81.9974

140.6240,
148.3131, 173.6838

47.6948, 50.3559,
60.8276

175.0160,
184.5541, 215.0334

33.7955, 35.6963,
43.6564

214.6027,
226.2644, 262.4744

22.8987, 24.1997,
30.0652

259.7493,
273.8287, 316.4252

14.6390, 15.4818,
19.6356

310.8213,
327.6311, 377.3044

8.6511, 9.1582,
11.9490

368.1840,

4.5696, 4.8445,

388.0562, 445.5305

6.5869

432.2026,
455.4883, 521.5220

■ 2.0291, 2.1563,
3.1306

■ 0.6503, 0.6960,
1.1617

■ 85.9623, 90.7020,
107.5843

■ 85.9623, 90.7020,
107.5843

■ 73.6466, 77.8924,
105.7609

95.0500, 100.0000,
108.9000

■ 62.8494, 66.3958,
104.1109

■ 53.5097, 56.1701,
102.6294

■ 45.5596, 47.1663,
101.3105

■ 38.9253, 39.3318,
100.1480

■ 33.5257, 32.6098,
99.1351

■ 29.2695, 26.9372,
98.2645

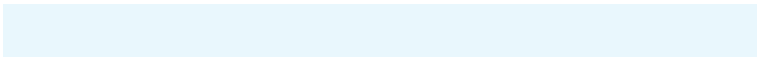
■ 26.0511, 22.2428,
97.5280

■ 23.7397, 18.4414,
96.9161

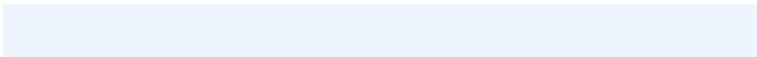
Harmonies

Analogous

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



84.5095, 90.7020, 106.0007



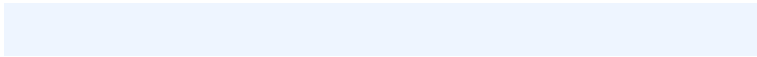
85.9623, 90.7020, 107.5843



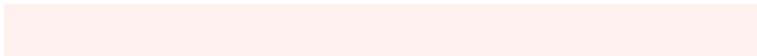
87.4986, 90.7020, 106.7454

Triad

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



85.9623, 90.7020, 107.5843



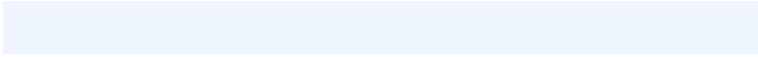
88.9548, 90.7020, 95.1309



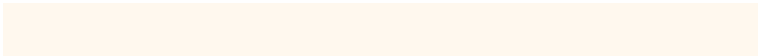
83.7639, 90.7020, 93.9386

Complementary

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



85.9623, 90.7020, 107.5843



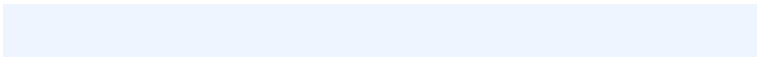
90.2391, 94.5656, 94.3872

Split Complementary

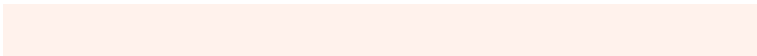
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9332, 90.7020, 91.1813



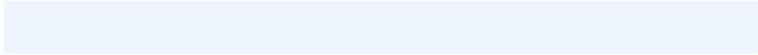
85.9623, 90.7020, 107.5843



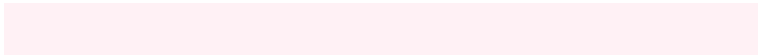
87.9322, 90.7020, 91.8550

Square

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



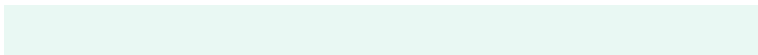
85.9623, 90.7020, 107.5843



89.2384, 90.7020, 99.4695



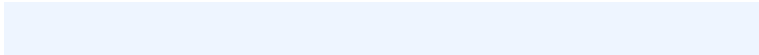
86.4572, 90.7020, 90.4301



83.2500, 90.7020, 98.0520

Rectangle

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



85.9623, 90.7020, 107.5843



88.3617, 90.7020, 104.9382



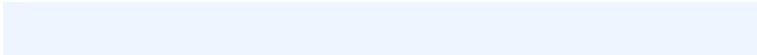
86.4572, 90.7020, 90.4301



84.0926, 90.7020, 92.8273

Sweetspot

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



85.9647, 90.7057, 107.5849



92.2494, 97.1472, 108.4970



87.9510, 96.4697, 102.7248



19.7745, 20.8235, 23.2271



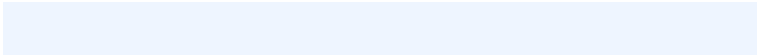
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



85.9647, 90.7057, 107.5849



84.2313, 88.9186, 107.3313



84.3631, 86.7938, 106.9142



17.6177, 18.6071, 22.9129



12.2132, 9.3360, 50.5929



1.2937, 1.1180, 4.9609

Inverse Universe

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



88.2974, 89.0031, 98.9163



87.0124, 86.9193, 96.9894



91.9137, 98.6855, 95.0942



18.3197, 18.1112, 20.3007



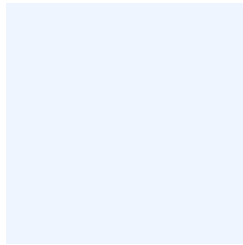
22.9529, 11.6704, 8.4022



2.2876, 1.1574, 1.0958

Previews

White Background



This preview shows how the XYZ color 85.9623, 90.7020, 107.5843 looks on a white background.

Color Contrast Check

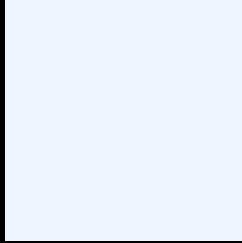
Large Text (above 18pt) WCAG AA × Fail

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 85.9623, 90.7020, 107.5843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

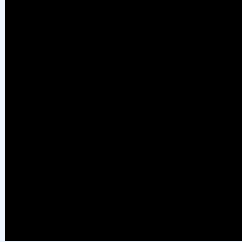
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

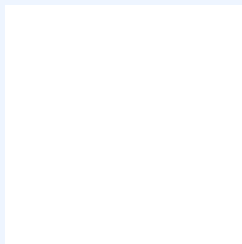
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.9623, 90.7020, 107.5843

Background



This preview shows how black text looks on a background with the XYZ color 85.9623, 90.7020, 107.5843.



This preview shows how white text looks on a background with the XYZ color 85.9623, 90.7020,

107.5843.

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

85.9623, 90.7020, 107.5843

Protanopia

87.9460, 90.8498, 106.6664

Deuteranopia

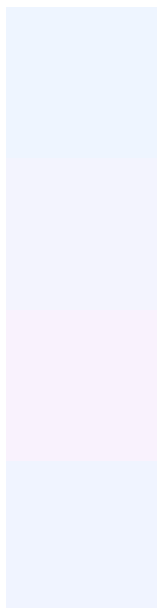
89.9708, 90.6085, 104.8427



Tritanopia

86.6763, 90.6221, 107.5312

Trichromacy



Original Color

85.9623, 90.7020, 107.5843

Protanomaly

87.2022, 90.9118, 106.7176

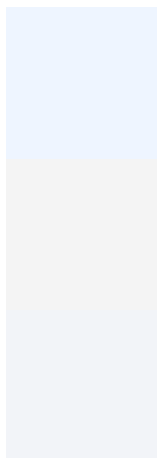
Deuteranomaly

88.5487, 90.7358, 105.7753

Tritanomaly

86.3359, 90.4466, 107.5153

Monochromacy



Original Color

85.9623, 90.7020, 107.5843

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.9119, 90.3559, 101.7193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9623, 90.7020, 107.5843 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(238, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 245, 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(238, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.9623, 90.7020, 107.5843 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(238, 245, 255) }
```


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

```
.border{ border-color:rgb(238, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9623, 90.7020, 107.5843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 245, 255) }
```

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

```
.background{ background-color: rgb(238,  
245, 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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