

Converting Colors

XYZ(87.9555, 93.1120,
112.3882)

Have a look what the booklet for
XYZ(87.9555, 93.1120, 112.3882)
contains.

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Color

**XYZ(86.8773, 92.5319,
107.8893)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF8FF
RGB	238, 248, 255
RGB Percent	93%, 97%, 100%
CMY	0.0667, 0.0274, 0.0000
CMYK	0.07, 0.03, 0.00, 0.00
HSL	205°, 100%, 97%
HSV	205°, 7%, 100%
XYZ	86.8773, 92.5319, 107.8893
YIQ	245.8080, -8.2070, 0.0570

Conversions

Conversions Part 2

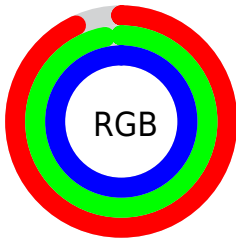
Format	Color
R_{YB}	238, 244, 255
Decimal	15661311
CIE _{Lab}	97.04, -1.99, -4.50
CIE _{LCh}	97, 4.917, 246.168
Yxy	92.5319, 0.3024, 0.3221
Android (android.graphics.Color)	4293851391 (0xFFEEF8FF)
YUV	245.8080, 4.5317, -6.8476
Hunter-Lab	96.1935, -7.1261, 0.8366

Details

The XYZ color **86.8773, 92.5319, 107.8893** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.3243, 92.7359, 94.0824**, and the grayscale version is **87.4136, 91.9660, 100.1509**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3341, 51.7216, 60.8619** is the 20% darker color. If you saturate the color by 10%, you get **75.7792, 82.1574, 106.4717**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

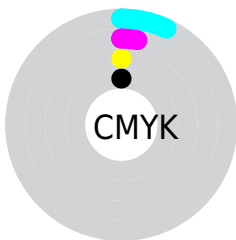
Distribution



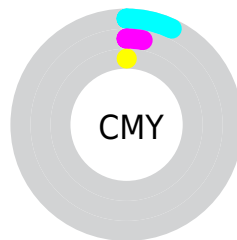
- Red (93%)
- Green (97%)
- Blue (100%)



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



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8773, 92.5319, 107.8893 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 86.8773, 92.5319, 107.8893 by changing the saturation by 10% instead.

86.8773, 92.5319,
107.8893

86.8773, 92.5319,
107.8893

506.2102,
536.2331, 606.6625

65.7214, 70.0825,
82.2519

141.8936,
150.8504, 174.1035

48.3131, 51.5938,
61.0361

176.4848,
187.4882, 215.5173

34.2872, 36.6814,
43.8236

216.2850,
229.6244, 263.0270

23.2783, 24.9609,
30.1957

261.6597,
277.6432, 317.0511

14.9209, 16.0479,
19.7338

312.9742,
331.9291, 378.0082

8.8499, 9.5581,
12.0196

370.5939,

4.6997, 5.1069,

392.8664, 446.3167

6.6343

434.8841,
460.8396, 522.3953

■ 2.1051, 2.3101,
3.1595

■ 0.6920, 0.7791,
1.1766

■ 86.8773, 92.5319,
107.8893

■ 86.8773, 92.5319,
107.8893

■ 75.7792, 82.1574,
106.4717

95.0500, 100.0000,
108.9000

■ 66.0185, 72.7339,
105.1673

■ 57.5403, 64.2313,
103.9729

■ 50.2831, 56.6132,
102.8850

■ 44.1795, 49.8402,
101.8994

■ 39.1554, 43.8693,
101.0116

■ 35.1270, 38.6521,
100.2170

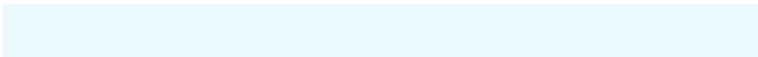
■ 31.9963, 34.1331,
99.5097

■ 29.6410, 30.2440,
98.8832

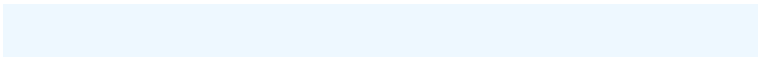
Harmonies

Analogous

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



85.8167, 92.5319, 105.3193



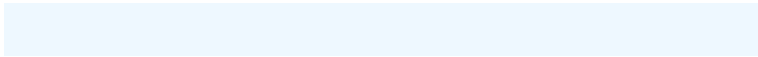
86.8773, 92.5319, 107.8893



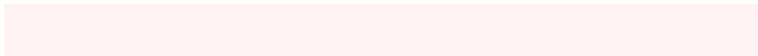
88.2352, 92.5319, 108.5249

Triad

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



86.8773, 92.5319, 107.8893



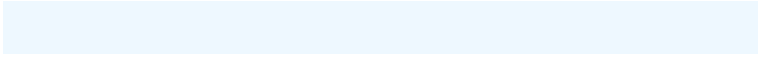
90.6227, 92.5319, 99.9344



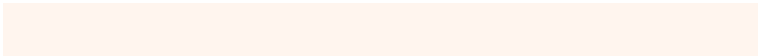
86.3867, 92.5319, 94.7198

Complementary

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



86.8773, 92.5319, 107.8893



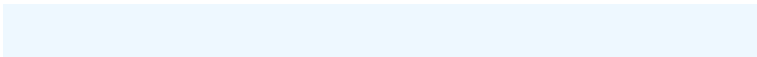
89.3243, 92.7359, 94.0824

Split Complementary

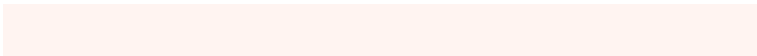
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6630, 92.5319, 93.3585



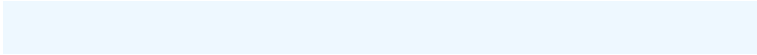
86.8773, 92.5319, 107.8893



90.1159, 92.5319, 96.3178

Square

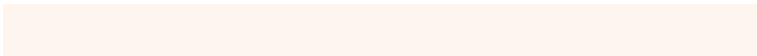
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



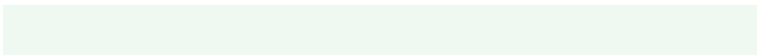
86.8773, 92.5319, 107.8893



90.4070, 92.5319, 103.8643



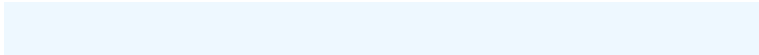
89.0291, 92.5319, 93.9357



85.5355, 92.5319, 97.7016

Rectangle

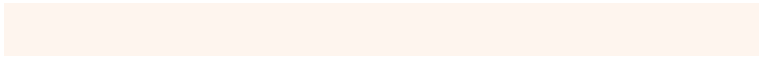
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8773, 92.5319, 107.8893



89.1283, 92.5319, 107.7518



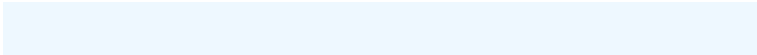
89.0291, 92.5319, 93.9357



86.7797, 92.5319, 94.0611

Sweetspot

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



86.8797, 92.5357, 107.8899



92.5327, 97.7138, 108.5914



87.4717, 96.2779, 100.2004



19.8322, 20.9388, 23.2463



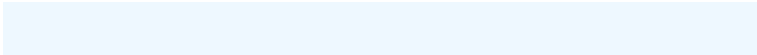
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



86.8797, 92.5357, 107.8899



85.3193, 91.0947, 107.6940



84.3830, 87.5423, 107.0576



17.8915, 19.1547, 23.0042



15.2869, 15.4833, 51.6175



1.5961, 1.7229, 5.0617

Inverse Universe

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



88.7593, 89.1879, 101.3483



87.5616, 87.1389, 99.8814



91.8930, 97.8734, 94.9387



18.4579, 18.1665, 21.0285



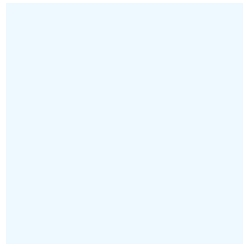
24.5043, 12.2910, 16.5720



2.4402, 1.2185, 1.8997

Previews

White Background



This preview shows how the XYZ color 86.8773, 92.5319, 107.8893 looks on a white background.

Color Contrast Check

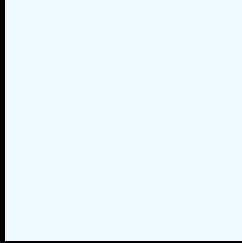
Large Text (above 18pt) WCAG AA × Fail

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 86.8773, 92.5319, 107.8893 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

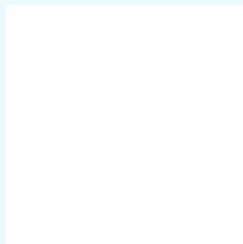
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8773, 92.5319, 107.8893

Background



This preview shows how black text looks on a background with the XYZ color 86.8773, 92.5319, 107.8893.



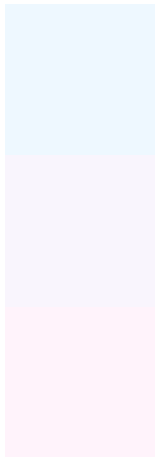
This preview shows how white text looks on a background with the XYZ color 86.8773, 92.5319,

107.8893.

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

86.8773, 92.5319, 107.8893

Protanopia

89.4490, 92.5364, 106.0754

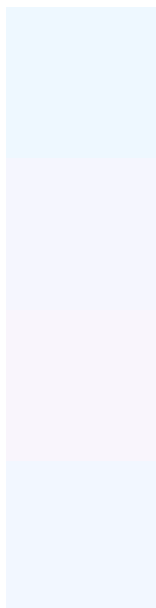
Deuteranopia

90.7032, 92.3262, 104.3070

Tritanopia

88.3140, 92.3646, 107.7813

Trichromacy



Original Color

86.8773, 92.5319, 107.8893

Protanomaly

88.5013, 92.4798, 106.9518

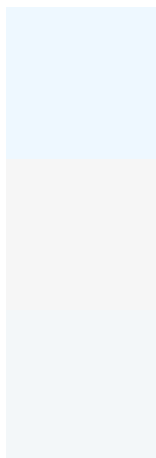
Deuteranomaly

89.2900, 92.4728, 105.2384

Tritanomaly

87.9287, 92.6188, 107.8506

Monochromacy



Original Color

86.8773, 92.5319, 107.8893

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3218, 92.4158, 102.8582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8773, 92.5319, 107.8893 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 248, 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, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.8773, 92.5319, 107.8893 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, 248, 255) }
```


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

```
.border{ border-color:rgb(238, 248, 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, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8773, 92.5319, 107.8893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 248, 255) }
```

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

```
.background{ background-color: rgb(238,  
248, 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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