

Converting Colors

XYZ(87.4049, 92.3028,
112.2588)

Have a look what the booklet for
XYZ(87.4049, 92.3028, 112.2588)
contains.

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Color

**XYZ(86.5707, 91.9187,
107.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF7FF
RGB	238, 247, 255
RGB Percent	93%, 97%, 100%
CMY	0.0667, 0.0314, 0.0000
CMYK	0.07, 0.03, 0.00, 0.00
HSL	208°, 100%, 97%
HSV	208°, 7%, 100%
XYZ	86.5707, 91.9187, 107.7871
YIQ	245.2210, -7.9320, 0.5800

Conversions

Conversions Part 2

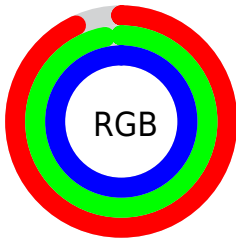
Format	Color
R _Y B	238, 244, 255
Decimal	15661055
CIE Lab	96.79, -1.48, -4.87
CIE LCh	97, 5.086, 253.088
Yxy	91.9187, 0.3024, 0.3211
Android (android.graphics.Color)	4293851135 (0xFFEEF7FF)
YUV	245.2210, 4.8210, -6.3328
Hunter-Lab	95.8742, -6.6014, 0.4549

Details

The XYZ color **86.5707, 91.9187, 107.7871** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6276, 93.3425, 94.1835**, and the grayscale version is **86.9380, 91.4656, 99.6060**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1152, 51.2839, 60.7889** is the 20% darker color. If you saturate the color by 10%, you get **75.0583, 80.7157, 106.2314**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

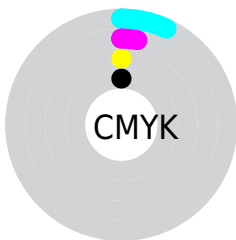
Distribution



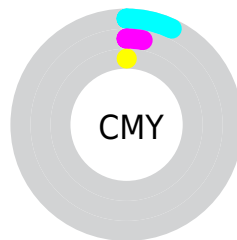
- Red (93%)
- Green (97%)
- Blue (100%)



- 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 86.5707, 91.9187, 107.7871 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 86.5707, 91.9187, 107.7871 by changing the saturation by 10% instead.

86.5707, 91.9187,
107.7871

86.5707, 91.9187,
107.7871

505.2169,
534.2527, 606.3393

65.4668, 69.5731,
82.1666

141.4684,
150.0007, 173.9629

48.1058, 51.1786,
60.9662

175.9929,
186.5059, 215.3552

34.1223, 36.3508,
43.7675

215.7216,
228.4998, 262.8418

23.1509, 24.7052,
30.1519

261.0200,
276.3667, 316.8414

14.8263, 15.8576,
19.7009

312.2534,
330.4910, 377.7724

8.7831, 9.4234,
11.9959

369.7871,

4.6559, 5.0184,

391.2572, 446.0533

6.6184

433.9865,
459.0497, 522.1028

■ 2.0795, 2.2580,
3.1498

■ 0.6780, 0.7514,
1.1716

■ 86.5707, 91.9187,
107.7871

■ 86.5707, 91.9187,
107.7871

■ 75.0583, 80.7157,
106.2314

95.0500, 100.0000,
108.9000

■ 64.9370, 70.5709,
104.8067

■ 56.1502, 61.4511,
103.5096

■ 48.6349, 53.3168,
102.3356

■ 42.3220, 46.1252,
101.2802

■ 37.1358, 39.8299,
100.3384

■ 32.9904, 34.3790,
99.5048

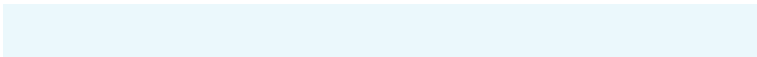
■ 29.7863, 29.7132,
98.7731

■ 27.3990, 25.7600,
98.1358

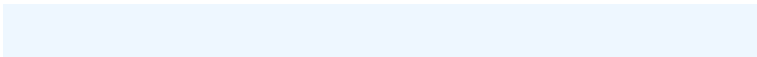
Harmonies

Analogous

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



85.3786, 91.9187, 105.5450



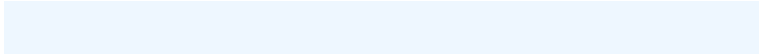
86.5707, 91.9187, 107.7871



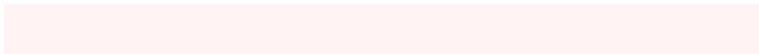
87.9884, 91.9187, 107.9297

Triad

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



86.5707, 91.9187, 107.7871



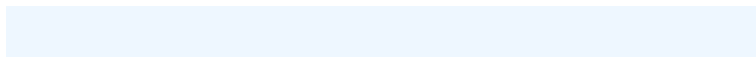
90.0642, 91.9187, 98.3160



85.5061, 91.9187, 94.4574

Complementary

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



86.5707, 91.9187, 107.7871



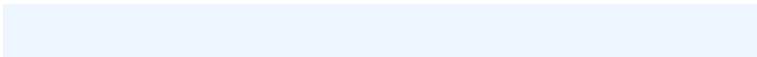
89.6276, 93.3425, 94.1835

Split Complementary

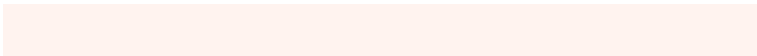
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7465, 91.9187, 92.6278



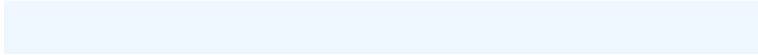
86.5707, 91.9187, 107.7871



89.3839, 91.9187, 94.8144

Square

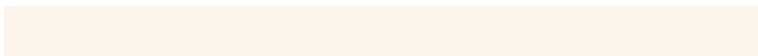
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



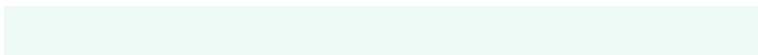
86.5707, 91.9187, 107.7871



90.0159, 91.9187, 102.3858



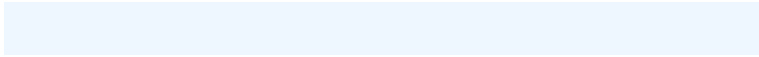
88.1661, 91.9187, 92.7566



84.7686, 91.9187, 97.8166

Rectangle

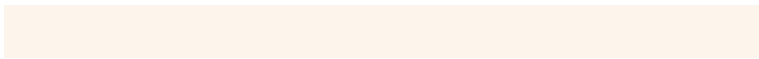
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



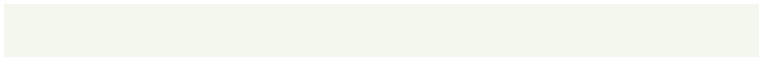
86.5707, 91.9187, 107.7871



88.8715, 91.9187, 106.8088



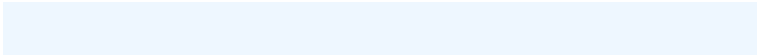
88.1661, 91.9187, 92.7566



85.8775, 91.9187, 93.6472

Sweetspot

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



86.5731, 91.9225, 107.7877



92.4381, 97.5247, 108.5599



87.6451, 96.3473, 101.1135



19.8130, 20.9003, 23.2399



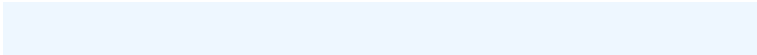
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



86.5731, 91.9225, 107.7877



84.9543, 90.3647, 107.5723



84.0510, 86.8782, 106.9470



17.7996, 18.9707, 22.9735



14.1146, 13.1388, 51.2267



1.4837, 1.4981, 5.0242

Inverse Universe

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



88.6045, 89.1260, 100.5333



87.3774, 87.0652, 98.9112



92.2524, 98.5922, 95.0585



18.4115, 18.1479, 20.7840



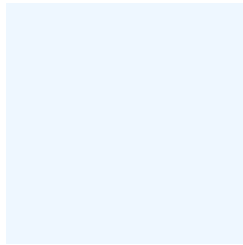
23.9126, 12.0543, 13.4562



2.3835, 1.1958, 1.6010

Previews

White Background



This preview shows how the XYZ color 86.5707, 91.9187, 107.7871 looks on a white background.

Color Contrast Check

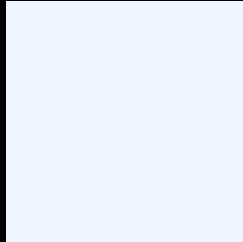
Large Text (above 18pt) WCAG AA × Fail

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 86.5707, 91.9187, 107.7871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

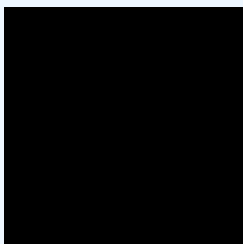
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

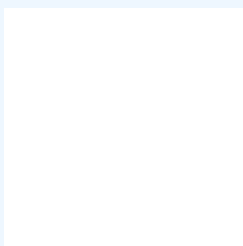
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.5707, 91.9187, 107.7871

Background



This preview shows how black text looks on a background with the XYZ color 86.5707, 91.9187, 107.7871.



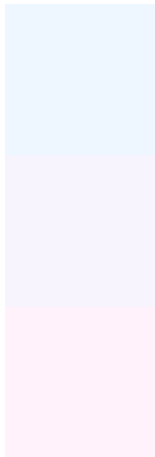
This preview shows how white text looks on a background with the XYZ color 86.5707, 91.9187,

107.7371.

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

86.5707, 91.9187, 107.7871

Protanopia

88.7917, 91.7497, 105.9581

Deuteranopia

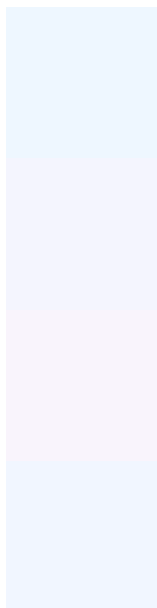
90.4047, 91.7293, 104.2075



Tritanopia

87.9679, 92.1862, 107.7651

Trichromacy



Original Color

86.5707, 91.9187, 107.7871

Protanomaly

87.8500, 91.6937, 106.8344

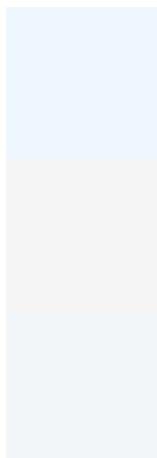
Deuteranomaly

88.9883, 91.8694, 105.1378

Tritanomaly

87.2814, 91.8323, 107.7329

Monochromacy



Original Color

86.5707, 91.9187, 107.7871

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.6726, 91.6283, 102.7404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.5707, 91.9187, 107.7871 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.5707, 91.9187, 107.7871 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, 247, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5707, 91.9187, 107.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 247, 255) }
```

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

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