

Converting Colors

XYZ(84.7553, 88.7107,
107.2635)

Have a look what the booklet for
XYZ(84.7553, 88.7107, 107.2635)
contains.

XYZ(84.7272, 88.7288, 107.2685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.7272, 88.7288,
107.2685)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF2FF
RGB	237, 242, 255
RGB Percent	93%, 95%, 100%
CMY	0.0706, 0.0510, 0.0000
CMYK	0.07, 0.05, 0.00, 0.00
HSL	223°, 100%, 96%
HSV	223°, 7%, 100%
XYZ	84.7272, 88.7288, 107.2685
YIQ	241.9870, -7.1530, 2.9830

Conversions

Conversions Part 2

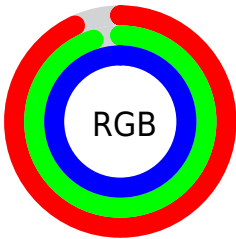
Format	Color
R _Y B	237, 241, 255
Decimal	15594239
CIE Lab	95.47, 0.75, -6.82
CIE LCh	95, 6.863, 276.236
Yxy	88.7288, 0.3018, 0.3161
Android (android.graphics.Color)	4293784319 (0xFFEDF2FF)
YUV	241.9870, 6.4154, -4.3736
Hunter-Lab	94.1960, -4.2861, -1.5811

Details

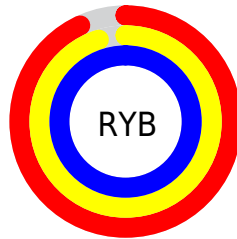
The XYZ color **84.7272, 88.7288, 107.2685** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.7109, 95.7436, 93.8217**, and the grayscale version is **84.3448, 88.7373, 96.6349**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8080, 49.0188, 60.4206** is the 20% darker color. If you saturate the color by 10%, you get **71.6049, 74.2369, 105.1629**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

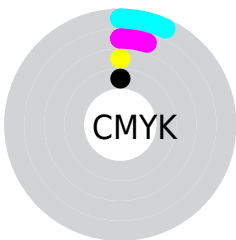
Distribution



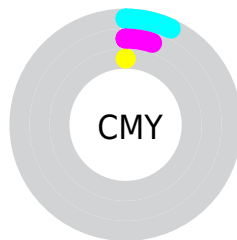
- Red (93%)
- Green (95%)
- Blue (100%)



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



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7272, 88.7288, 107.2685 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 84.7272, 88.7288, 107.2685 by changing the saturation by 10% instead.

84.7272, 88.7288,
107.2685

84.7272, 88.7288,
107.2685

499.2222,
523.8870, 604.6978

63.9377, 66.9268,
81.7339

138.9080,
145.5714, 173.2491

46.8617, 49.0251,
60.6117

173.0300,
181.3807, 214.5322

33.1339, 34.6394,
43.4833

212.3269,
222.6280, 261.9019

22.3887, 23.3853,
29.9303

257.1640,
269.6976, 315.7767

14.2610, 14.8782,
19.5341

307.9068,
322.9739, 376.5751

8.3853, 8.7340,
11.8761

364.9205,

4.3964, 4.5681,

382.8413, 444.7158

6.5379

428.5705,
449.6842, 520.6171

■ 1.9287, 1.9961,
3.1008

■ 0.5934, 0.6052,
1.1463

■ 84.7272, 88.7288,
107.2685

■ 84.7272, 88.7288,
107.2685

■ 71.6049, 74.2369,
105.1629

95.0500, 100.0000,
108.9000

■ 60.1755, 61.4100,
103.2895

■ 50.3700, 50.1898,
101.6406

■ 42.1116, 40.5102,
100.2075

■ 35.3172, 32.3003,
98.9809

■ 29.8954, 25.4830,
97.9508

■ 25.7438, 19.9738,
97.1062

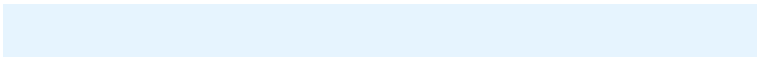
■ 22.7442, 15.6772,
96.4350

■ 20.7496, 12.4798,
95.9230

Harmonies

Analogous

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



82.8862, 88.7288, 106.3956



84.7272, 88.7288, 107.2685



86.4883, 88.7288, 105.2012

Triad

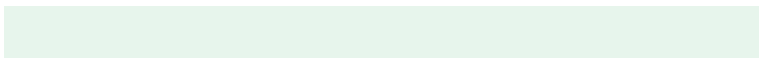
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7272, 88.7288, 107.2685



87.2826, 88.7288, 90.6211



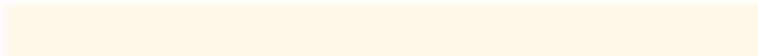
81.0697, 88.7288, 92.4997

Complementary

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



84.7272, 88.7288, 107.2685



90.7109, 95.7436, 93.8217

Split Complementary

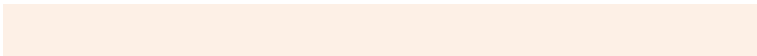
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2159, 88.7288, 88.5008



84.7272, 88.7288, 107.2685



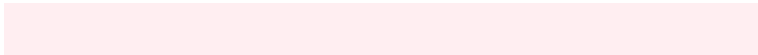
85.7987, 88.7288, 87.4447

Square

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



84.7272, 88.7288, 107.2685



87.9777, 88.7288, 95.4908



83.9421, 88.7288, 86.6831



80.7924, 88.7288, 97.7391

Rectangle

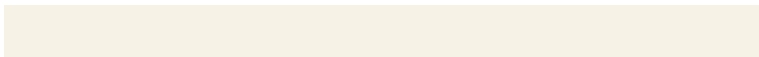
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



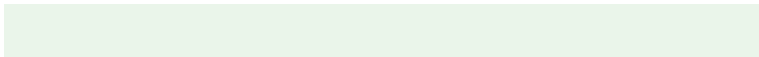
84.7272, 88.7288, 107.2685



87.3741, 88.7288, 102.4776



83.9421, 88.7288, 86.6831



81.3653, 88.7288, 90.9719

Sweetspot

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



84.7295, 88.7324, 107.2691



92.0351, 96.7186, 108.4255



87.9255, 96.4208, 104.3377



19.7309, 20.7362, 23.2125



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.



84.7295, 88.7324, 107.2691



83.4190, 87.2942, 107.0606



84.5768, 86.4730, 106.8410



17.4140, 18.1996, 22.8450



10.7123, 6.3342, 50.0926



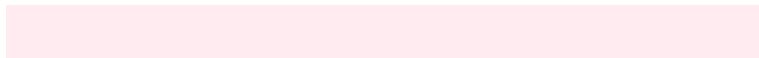
1.1302, 0.7910, 4.9064

Inverse Universe

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



87.5526, 88.2407, 96.4264



86.6025, 86.7553, 94.8305



90.8662, 98.1624, 94.2804



18.2169, 18.0701, 19.7592



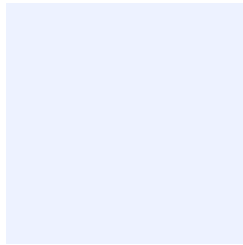
22.1953, 11.3674, 4.4128



2.2051, 1.1244, 0.6613

Previews

White Background



This preview shows how the XYZ color 84.7272, 88.7288, 107.2685 looks on a white background.

Color Contrast Check

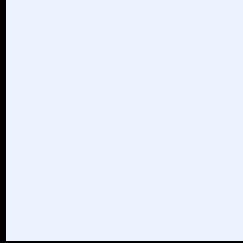
Large Text (above 18pt) WCAG AA × Fail

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 84.7272, 88.7288, 107.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

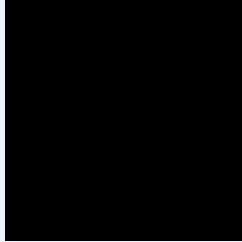
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.7272, 88.7288, 107.2685

Background



This preview shows how black text looks on a background with the XYZ color 84.7272, 88.7288, 107.2685.



This preview shows how white text looks on a background with the XYZ color 84.7272, 88.7288,

107.2685.

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

84.7272, 88.7288, 107.2685

Protanopia

86.0116, 88.5306, 106.3208

Deuteranopia

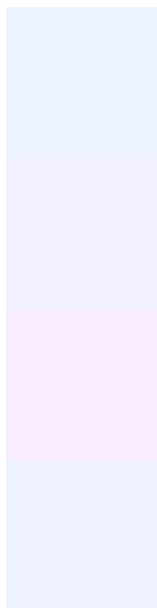
88.9651, 88.3428, 105.2914



Tritanopia

85.1019, 88.4813, 107.2010

Trichromacy



Original Color

84.7272, 88.7288, 107.2685

Protanomaly

85.6203, 88.7671, 106.3870

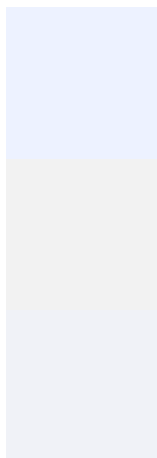
Deuteranomaly

87.1753, 88.2613, 106.2074

Tritanomaly

84.7652, 88.3077, 107.1852

Monochromacy



Original Color

84.7272, 88.7288, 107.2685

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.4758, 88.7449, 100.6728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7272, 88.7288, 107.2685 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(237, 242, 255) looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 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(237, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.7272, 88.7288, 107.2685 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(237, 242, 255) }
```


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

```
.border{ border-color:rgb(237, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7272, 88.7288, 107.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 255) }
```

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

```
.background{ background-color: rgb(237,  
242, 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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