

Converting Colors

XYZ(88.4553, 96.7474,
107.9384)

Have a look what the booklet for
XYZ(88.4553, 96.7474, 107.9384)
contains.

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Color

**XYZ(88.2415, 96.5086,
107.7431)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFFE
RGB	236, 255, 254
RGB Percent	93%, 100%, 100%
CMY	0.0745, 0.0000, 0.0039
CMYK	0.07, 0.00, 0.00, 0.00
HSL	177°, 100%, 96%
HSV	177°, 7%, 100%
XYZ	88.2415, 96.5086, 107.7431
YIQ	249.2050, -11.0030, -4.3390

Conversions

Conversions Part 2

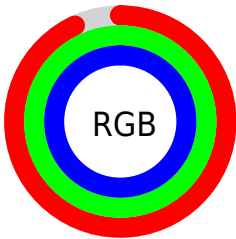
Format	Color
R _Y B	236, 246, 255
Decimal	15532030
CIE Lab	98.63, -6.34, -1.65
CIE LCh	99, 6.555, 194.624
Yxy	96.5086, 0.3017, 0.3300
Android (android.graphics.Color)	4293722110 (0xFFE0FFFE)
YUV	249.2050, 2.3639, -11.5808
Hunter-Lab	98.2388, -11.5830, 3.7410

Details

The XYZ color **88.2415, 96.5086, 107.7431** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.5222, 87.3666, 92.4244**, and the grayscale version is **90.1984, 94.8957, 103.3414**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0945, 54.1227, 60.6825** is the 20% darker color. If you saturate the color by 10%, you get **80.1573, 92.3658, 106.2499**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

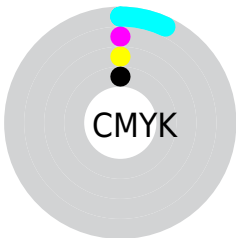
Distribution



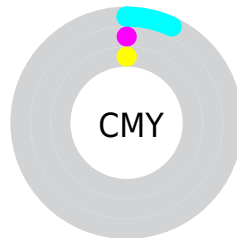
- Red (93%)
- Green (100%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 88.2415, 96.5086, 107.7431 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 88.2415, 96.5086, 107.7431 by changing the saturation by 10% instead.

88.2415, 96.5086,
107.7431

88.2415, 96.5086,
107.7431

510.6173,
548.9834, 606.2001

66.8545, 73.3912,
82.1299

143.7841,
156.3472, 173.9023

49.2367, 54.2959,
60.9361

178.6705,
193.8371, 215.2854

35.0226, 38.8383,
43.7434

218.7874,
236.8867, 262.7621

23.8469, 26.6340,
30.1331

264.5002,
285.8804, 316.7511

15.3442, 17.2985,
19.6867

316.1743,
341.2025, 377.6709

9.1492, 10.4475,
11.9857

374.1749,

4.8965, 5.6967,

403.2374, 445.9399

6.6115

438.8675,
472.3696, 521.9768

■ 2.2208, 2.6615,
3.1456

■ 0.7537, 0.9577,
1.1695

■ 88.2415, 96.5086,
107.7431

■ 88.2415, 96.5086,
107.7431

■ 80.1573, 92.3658,
106.2499

95.0500, 100.0000,
108.9000

■ 73.2315, 88.8199,
104.8173

■ 67.4104, 85.8434,
103.4442

■ 62.6350, 83.4057,
102.1278

■ 58.8408, 81.4738,
100.8651

■ 55.9562, 80.0106,
99.6527

■ 53.8999, 78.9742,
98.4869

■ 52.5761, 78.3152,
97.3630

■ 51.8598, 77.9693,
96.2753

Harmonies

Analogous

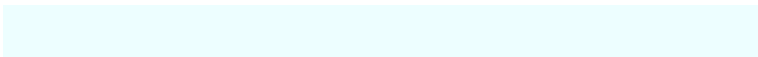
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2536, 96.5086, 102.3337



88.2415, 96.5086, 107.7431



89.1548, 96.5086, 112.5977

Triad

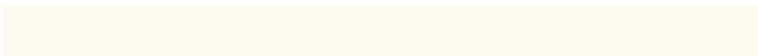
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2415, 96.5086, 107.7431



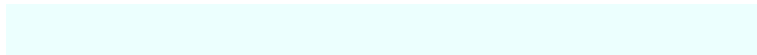
94.3167, 96.5086, 112.6993



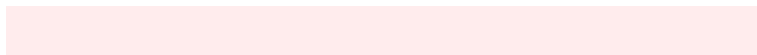
92.6999, 96.5086, 95.3200

Complementary

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



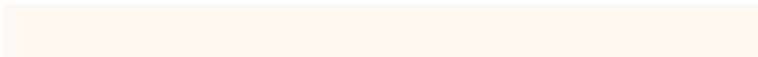
88.2415, 96.5086, 107.7431



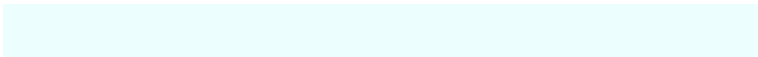
86.5222, 87.3666, 92.4244

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.



94.3513, 96.5086, 97.9074



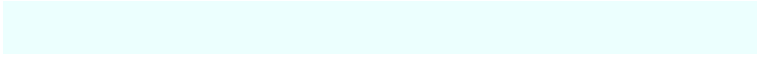
88.2415, 96.5086, 107.7431



95.2935, 96.5086, 107.8780

Square

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



88.2415, 96.5086, 107.7431



92.6532, 96.5086, 115.5254



95.3062, 96.5086, 102.4640



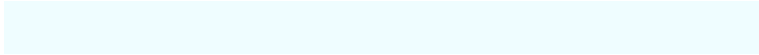
90.8100, 96.5086, 95.2867

Rectangle

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



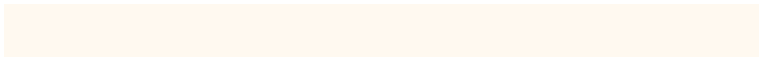
88.2415, 96.5086, 107.7431



90.1730, 96.5086, 114.8132



95.3062, 96.5086, 102.4640



93.3019, 96.5086, 95.9158

Sweetspot

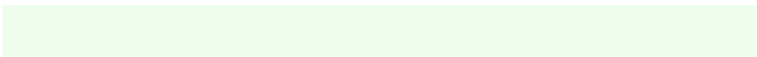
The Sweet Spot groups the original color and five complimentary colors.



88.2425, 96.5091, 107.7446



93.1554, 99.0283, 108.5863



85.9155, 95.6271, 93.2882



19.9589, 21.2063, 23.2452



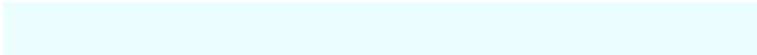
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

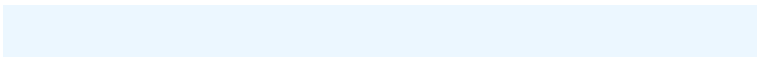
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2425, 96.5091, 107.7446



86.9114, 95.8267, 107.5088



85.8325, 91.4327, 107.7322



18.5112, 20.4640, 22.9949



27.0465, 40.7152, 50.2574



2.6456, 3.9692, 4.9573

Inverse Universe

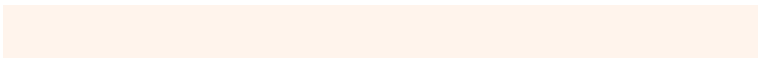
The Inverse Universe completely reimagines the original color for something new.



86.5222, 87.3666, 92.4244



84.8553, 84.8992, 89.1975



88.8020, 92.1589, 92.4666



18.0481, 18.0025, 18.8702



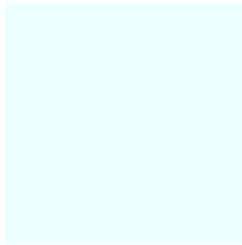
21.6038, 11.1308, 1.2984



2.1165, 1.0890, 0.1948

Previews

White Background



This preview shows how the XYZ color 88.2415, 96.5086, 107.7431 looks on a white background.

Color Contrast Check

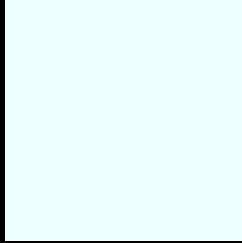
Large Text (above 18pt) WCAG AA × Fail

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 88.2415, 96.5086, 107.7431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

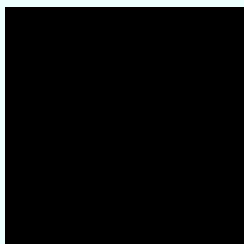
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.2415, 96.5086, 107.7431

Background



This preview shows how black text looks on a background with the XYZ color 88.2415, 96.5086, 107.7431.

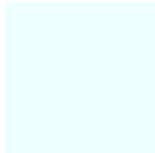


This preview shows how white text looks on a background with the XYZ color 88.2415, 96.5086,

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

88.2415, 96.5086, 107.7431

Protanopia

92.8382, 96.5962, 105.0186

Deuteranopia

92.6864, 96.0396, 105.7479

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

88.2415, 96.5086, 107.7431

Protanomaly

91.0925, 96.6055, 105.9411

Deuteranomaly

90.9382, 96.0427, 106.6736

Tritanomaly

90.1686, 96.0739, 108.3995

Monochromacy



Original Color

88.2415, 96.5086, 107.7431

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.2180, 95.1925, 104.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.2415, 96.5086, 107.7431 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(236, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 254)  
}
```

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(236, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 88.2415, 96.5086, 107.7431 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(236, 255, 254) }
```


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

```
.border{ border-color:rgb(236, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 88.2415, 96.5086, 107.7431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 254) }
```

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

```
.background{ background-color: rgb(236,  
255, 254) }
```

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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