

Converting Colors

XYZ(84.3296, 84.2464,
106.4243)

Have a look what the booklet for
XYZ(84.3296, 84.2464, 106.4243)
contains.

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Color

**XYZ(84.2148, 84.1663,
106.4149)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E8FF
RGB	244, 232, 255
RGB Percent	96%, 91%, 100%
CMY	0.0431, 0.0902, 0.0000
CMYK	0.04, 0.09, 0.00, 0.00
HSL	271°, 100%, 95%
HSV	271°, 9%, 100%
XYZ	84.2148, 84.1663, 106.4149
YIQ	238.2100, -0.2310, 9.6970

Conversions

Conversions Part 2

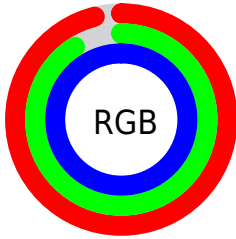
Format	Color
R _Y B	244, 232, 255
Decimal	16050431
CIE Lab	93.52, 8.15, -9.65
CIE LCh	94, 12.630, 310.211
Yxy	84.1663, 0.3065, 0.3063
Android (android.graphics.Color)	4294240511 (0xFF4E8FF)
YUV	238.2100, 8.2775, 5.0778
Hunter-Lab	91.7422, 3.3053, -4.5530

Details

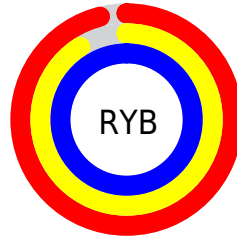
The XYZ color **84.2148, 84.1663, 106.4149** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.2898, 96.4019, 90.3549**, and the grayscale version is **81.3707, 85.6083, 93.2274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4574, 45.8193, 59.8215** is the 20% darker color. If you saturate the color by 10%, you get **73.4587, 68.7297, 104.0022**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

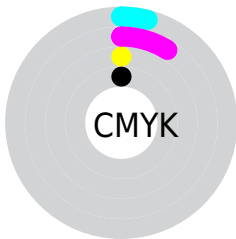
Distribution



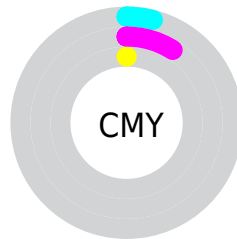
- Red (96%)
- Green (91%)
- Blue (100%)



- Red (96%)
- Yellow (91%)
- Blue (100%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2148, 84.1663, 106.4149 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 84.2148, 84.1663, 106.4149 by changing the saturation by 10% instead.

84.2148, 84.1663,
106.4149

84.2148, 84.1663,
106.4149

497.5492,
508.8653, 601.9909

63.5131, 63.1527,
81.0220

138.1953,
139.2078, 172.0736

46.5166, 45.9648,
60.0286

172.2048,
174.0045, 213.1765

32.8600, 32.2180,
43.0162

211.3810,
214.1644, 260.3531

22.1780, 21.5281,
29.5663

256.0892,
260.0719, 314.0220

14.1051, 13.5106,
19.2604

306.6948,
312.1113, 374.6016

8.2760, 7.7811,
11.6799

363.5630,

4.3253, 3.9552,

370.6671, 442.5107

6.4062

427.0594,
436.1236, 518.1676

■ 1.8878, 1.6485,
3.0209

■ 0.5697, 0.3900,
1.1053

■ 84.2148, 84.1663,
106.4149

■ 84.2148, 84.1663,
106.4149

■ 73.4587, 68.7297,
104.0022

95.0500, 100.0000,
108.9000

■ 63.9718, 55.4246,
101.9341

■ 55.7030, 44.1561,
100.1949

■ 48.5946, 34.8175,
98.7670

■ 42.5841, 27.2922,
97.6312

■ 37.6021, 21.4507,
96.7663

■ 33.5700, 17.1452,
96.1478

■ 30.3957, 14.2011,
95.7468

■ 27.9456, 12.3618,
95.5209

Harmonies

Analogous

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



81.1412, 84.1663, 110.9573



84.2148, 84.1663, 106.4149



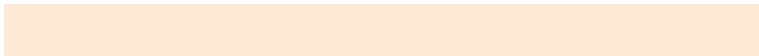
86.1924, 84.1663, 98.0103

Triad

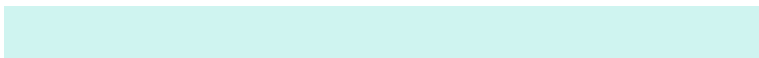
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2148, 84.1663, 106.4149



82.1910, 84.1663, 75.4064



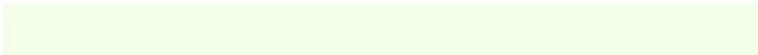
73.8435, 84.1663, 94.9415

Complementary

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



84.2148, 84.1663, 106.4149



87.2898, 96.4019, 90.3549

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.



74.1068, 84.1663, 85.5573



84.2148, 84.1663, 106.4149



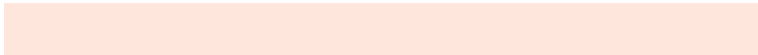
78.8647, 84.1663, 74.7108

Square

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



84.2148, 84.1663, 106.4149



85.0017, 84.1663, 80.2764



75.9235, 84.1663, 78.3052



75.1938, 84.1663, 104.0345

Rectangle

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



84.2148, 84.1663, 106.4149



86.5915, 84.1663, 91.5750



75.9235, 84.1663, 78.3052



73.7471, 84.1663, 91.7106

Sweetspot

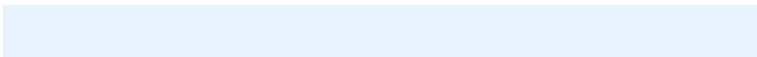
The Sweet Spot groups the original color and five complimentary colors.



84.2170, 84.1698, 106.4154



91.3245, 94.5284, 108.0402



83.4169, 88.5495, 107.3030



19.3385, 19.9274, 23.0771



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.



84.2170, 84.1698, 106.4154



81.9806, 80.9345, 105.9088



88.0865, 86.1717, 106.2748



17.9073, 17.8439, 22.7504



14.6622, 6.4691, 49.9105



1.5538, 0.6949, 4.8655

Inverse Universe

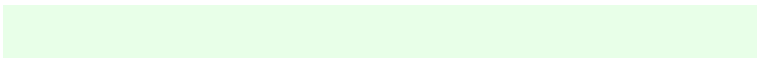
The Inverse Universe completely reimagines the original color for something new.



86.2764, 85.4477, 96.7429



84.4781, 82.4839, 94.1922



83.6613, 94.5251, 90.4696



18.3712, 18.1318, 20.5720



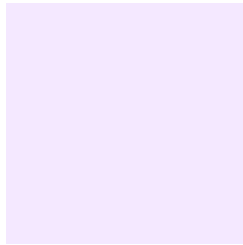
23.4577, 11.8724, 11.0606



2.3388, 1.1779, 1.3656

Previews

White Background



This preview shows how the XYZ color 84.2148, 84.1663, 106.4149 looks on a white background.

Color Contrast Check

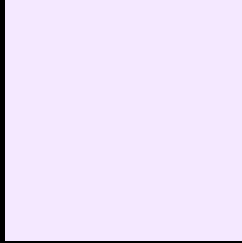
Large Text (above 18pt) WCAG AA × Fail

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 84.2148, 84.1663, 106.4149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

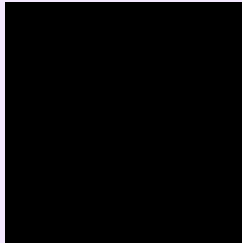
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

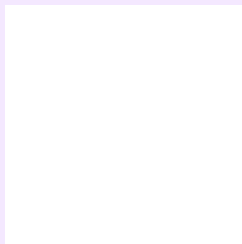
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2148, 84.1663, 106.4149

Background



This preview shows how black text looks on a background with the XYZ color 84.2148, 84.1663, 106.4149.



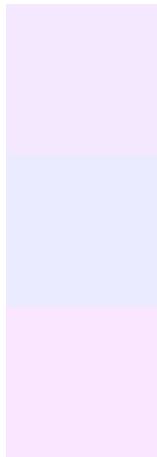
This preview shows how white text looks on a background with the XYZ color 84.2148, 84.1663,

106.4149.

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

84.2148, 84.1663, 106.4149

Protanopia

82.0193, 84.2988, 106.5562

Deuteranopia

85.7712, 84.1376, 106.3273



Tritanopia

83.5136, 84.2975, 103.1362

Trichromacy



Original Color

84.2148, 84.1663, 106.4149

Protanomaly

82.7327, 84.2428, 106.5077

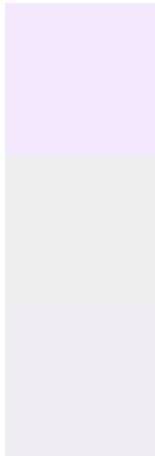
Deuteranomaly

85.3373, 84.3283, 106.3870

Tritanomaly

83.6717, 84.3608, 103.9687

Monochromacy



Original Color

84.2148, 84.1663, 106.4149

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.2598, 85.0478, 97.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2148, 84.1663, 106.4149 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(244, 232, 255) looks like.

```
.text, #text, p{  
    color:rgb(244, 232, 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(244, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.2148, 84.1663, 106.4149 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(244, 232, 255) }
```


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

```
.border{ border-color:rgb(244, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2148, 84.1663, 106.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 232, 255) }
```

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

```
.background{ background-color: rgb(244,  
232, 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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