

Converting Colors

XYZ(83.1521, 84.8144,
106.5960)

Have a look what the booklet for
XYZ(83.1521, 84.8144, 106.5960)
contains.

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Color

**XYZ(83.3549, 84.9874,
106.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEBFF
RGB	239, 235, 255
RGB Percent	94%, 92%, 100%
CMY	0.0627, 0.0784, 0.0000
CMYK	0.06, 0.08, 0.00, 0.00
HSL	252°, 100%, 96%
HSV	252°, 8%, 100%
XYZ	83.3549, 84.9874, 106.6187
YIQ	238.4760, -4.0360, 7.0680

Conversions

Conversions Part 2

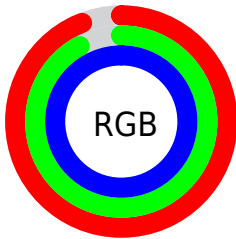
Format	Color
R _Y B	239, 235, 255
Decimal	15723519
CIE Lab	93.88, 4.98, -9.16
CIE LCh	94, 10.428, 298.550
Yxy	84.9874, 0.3032, 0.3091
Android (android.graphics.Color)	4293913599 (0xFFEFEBFF)
YUV	238.4760, 8.1463, 0.4595
Hunter-Lab	92.1886, 0.0657, -4.0385

Details

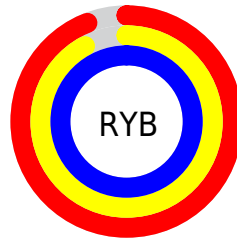
The XYZ color **83.3549, 84.9874, 106.6187** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.5412, 98.0284, 92.7509**, and the grayscale version is **81.5799, 85.8284, 93.4672**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8416, 46.3847, 59.9631** is the 20% darker color. If you saturate the color by 10%, you get **70.0674, 68.0673, 104.0531**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

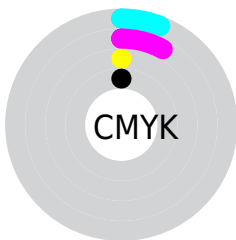
Distribution



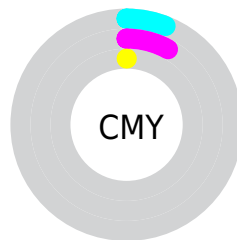
- Red (94%)
- Green (92%)
- Blue (100%)



- Red (94%)
- Yellow (92%)
- Blue (100%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3549, 84.9874, 106.6187 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 83.3549, 84.9874, 106.6187 by changing the saturation by 10% instead.

83.3549, 84.9874,
106.6187

83.3549, 84.9874,
106.6187

494.7346,
511.5864, 602.6378

62.8009, 63.8310,
81.1919

136.9984,
140.3556, 172.3544

45.9382, 46.5138,
60.1677

170.8185,
175.3361, 213.5003

32.4015, 32.6514,
43.1277

209.7914,
215.6935, 260.7231

21.8254, 21.8596,
29.6532

254.2824,
261.8120, 314.4412

13.8445, 13.7537,
19.3257

304.6569,
314.0762, 375.0732

8.0936, 7.9496,
11.7266

361.2802,

4.2072, 4.0627,

372.8704, 443.0375

6.4376

424.5176,
438.5790, 518.7529

■ 1.8200, 1.7087,
3.0399

■ 0.5297, 0.4293,
1.1150

■ 83.3549, 84.9874,
106.6187

■ 83.3549, 84.9874,
106.6187

■ 70.0674, 68.0673,
104.0531

95.0500, 100.0000,
108.9000

■ 58.5318, 53.5356,
101.8562

■ 48.6756, 41.2869,
100.0114

■ 40.4187, 31.2038,
98.5004

■ 33.6745, 23.1582,
97.3029

■ 28.3477, 17.0084,
96.3966

■ 24.3314, 12.5940,
95.7562

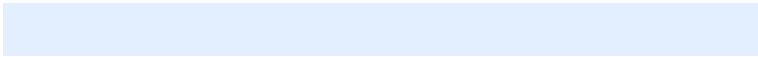
■ 21.5027, 9.7275,
95.3520

■ 19.7057, 8.1622,
95.1446

Harmonies

Analogous

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



80.6430, 84.9874, 108.6685



83.3549, 84.9874, 106.6187



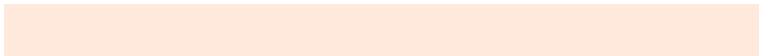
85.4157, 84.9874, 100.7407

Triad

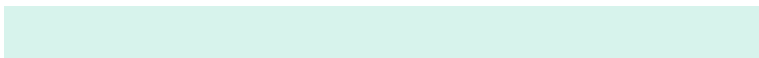
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3549, 84.9874, 106.6187



83.5939, 84.9874, 80.1036



75.5607, 84.9874, 92.1507

Complementary

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



83.3549, 84.9874, 106.6187



90.5412, 98.0284, 92.7509

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.



76.3112, 84.9874, 84.7909



83.3549, 84.9874, 106.6187



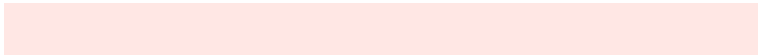
80.9130, 84.9874, 78.0863

Square

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



83.3549, 84.9874, 106.6187



85.5559, 84.9874, 85.4243



78.2547, 84.9874, 79.7529



76.1813, 84.9874, 100.0336

Rectangle

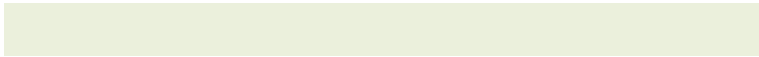
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



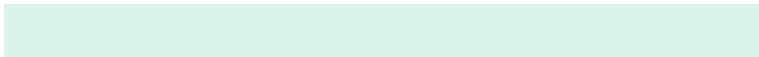
83.3549, 84.9874, 106.6187



86.1210, 84.9874, 95.6034



78.2547, 84.9874, 79.7529



75.6607, 84.9874, 89.5365

Sweetspot

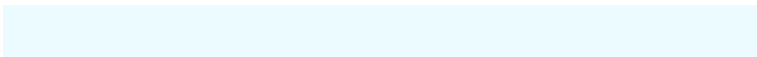
The Sweet Spot groups the original color and five complimentary colors.



83.3571, 84.9909, 106.6192



91.9591, 96.0233, 108.2953



86.9145, 94.0866, 108.1874



19.7154, 20.5946, 23.1860



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.



83.3571, 84.9909, 106.6192



81.7246, 82.9035, 106.3024



86.7088, 86.7187, 106.7761



17.3420, 17.5525, 22.7239



10.2391, 4.1889, 49.7035



1.0805, 0.4509, 4.8434

Inverse Universe

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



88.3631, 87.6451, 103.5299



87.4309, 85.9295, 102.7604



87.1470, 96.2786, 92.5920



18.6279, 18.2345, 21.9237



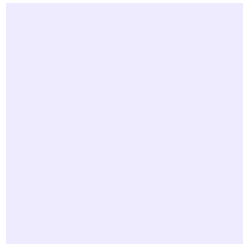
27.3007, 13.4096, 31.2976



2.6959, 1.3207, 3.2458

Previews

White Background



This preview shows how the XYZ color 83.3549, 84.9874, 106.6187 looks on a white background.

Color Contrast Check

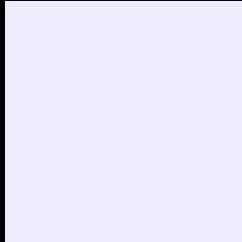
Large Text (above 18pt) WCAG AA × Fail

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 83.3549, 84.9874, 106.6187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

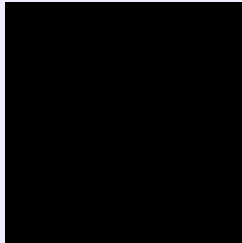
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3549, 84.9874, 106.6187

Background



This preview shows how black text looks on a background with the XYZ color 83.3549, 84.9874, 106.6187.



This preview shows how white text looks on a background with the XYZ color 83.3549, 84.9874,

106.6187.

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

83.3549, 84.9874, 106.6187

Protanopia

82.6375, 85.0438, 106.6674

Deuteranopia

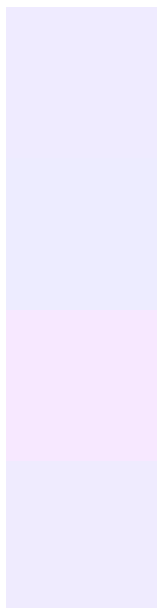
86.4096, 84.8811, 106.4371



Tritanopia

83.1943, 84.9231, 105.7729

Trichromacy



Original Color

83.3549, 84.9874, 106.6187

Protanomaly

82.9705, 85.2154, 106.6829

Deuteranomaly

85.2644, 84.7074, 106.4640

Tritanomaly

83.1943, 84.9231, 105.7729

Monochromacy



Original Color

83.3549, 84.9874, 106.6187

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.8732, 85.2772, 97.7329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3549, 84.9874, 106.6187 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(239, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 235, 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(239, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.3549, 84.9874, 106.6187 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(239, 235, 255) }
```


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

```
.border{ border-color:rgb(239, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3549, 84.9874, 106.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 235, 255) }
```

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

```
.background{ background-color: rgb(239,  
235, 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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