

Converting Colors

XYZ(84.4270, 89.3159,
106.0718)

Have a look what the booklet for
XYZ(84.4270, 89.3159, 106.0718)
contains.

XYZ(84.3413, 89.4554, 105.7499)	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(84.3413, 89.4554,
105.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF4FD
RGB	235, 244, 253
RGB Percent	92%, 96%, 99%
CMY	0.0784, 0.0431, 0.0078
CMYK	0.07, 0.04, 0.00, 0.01
HSL	210°, 82%, 96%
HSV	210°, 7%, 99%
XYZ	84.3413, 89.4554, 105.7499
YIQ	242.3350, -8.2530, 0.8910

Conversions

Conversions Part 2

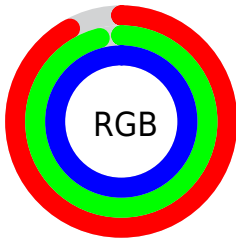
Format	Color
R _Y B	235, 241, 253
Decimal	15463677
CIE Lab	95.77, -1.29, -5.36
CIE LCh	96, 5.510, 256.414
Yxy	89.4554, 0.3017, 0.3200
Android (android.graphics.Color)	4293653757 (0xFFEBF4FD)
YUV	242.3350, 5.2578, -6.4328
Hunter-Lab	94.5809, -6.3414, -0.0849

Details

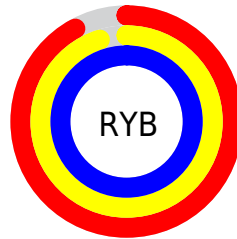
The XYZ color **84.3413, 89.4554, 105.7499** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8545, 91.5816, 91.6454**, and the grayscale version is **84.6299, 89.0373, 96.9616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5374, 49.5357, 59.3331** is the 20% darker color. If you saturate the color by 10%, you get **72.9004, 78.1038, 104.1632**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

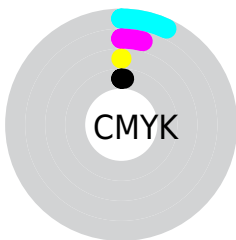
Distribution



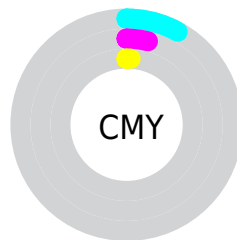
- Red (92%)
- Green (96%)
- Blue (99%)



- Red (92%)
- Yellow (95%)
- Blue (99%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3413, 89.4554, 105.7499 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 84.3413, 89.4554, 105.7499 by changing the saturation by 10% instead.

84.3413, 89.4554,
105.7499

84.3413, 89.4554,
105.7499

497.9625,
526.2577, 599.8777

63.6179, 67.5290,
80.4676

138.3713,
146.5817, 171.1572

46.6018, 49.5147,
59.5748

172.4086,
182.5504, 212.1193

32.9276, 35.0279,
42.6529

211.6146,
223.9687, 259.1450

22.2300, 23.6844,
29.2835

256.3547,
271.2210, 312.6530

14.1435, 15.0997,
19.0480

306.9941,
324.6916, 373.0617

8.3029, 8.8894,
11.5278

363.8984,

4.3428, 4.6691,

384.7650, 440.7897

6.3044

427.4327,
451.8256, 516.2555

■ 1.8978, 2.0544,
2.9593

■ 0.5756, 0.6388,
1.0739

■ 84.3413, 89.4554,
105.7499

■ 84.3413, 89.4554,
105.7499

■ 72.9004, 78.1038,
104.1632

94.7299, 99.8720,
107.2143

■ 62.8508, 67.8467,
102.7131

■ 54.1364, 58.6499,
101.3972

■ 46.6940, 50.4724,
100.2110

■ 40.4547, 43.2702,
99.1497

■ 35.3426, 36.9955,
98.2080

■ 31.2722, 31.5949,
97.3801

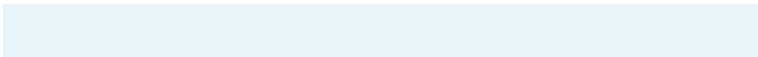
■ 28.1437, 27.0074,
96.6595

■ 25.8306, 23.1578,
96.0384

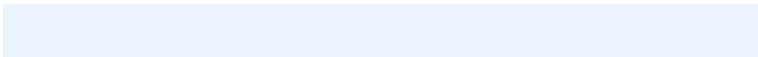
Harmonies

Analogous

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



83.0294, 89.4554, 103.5792



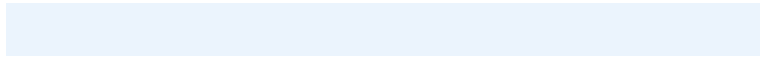
84.3413, 89.4554, 105.7499



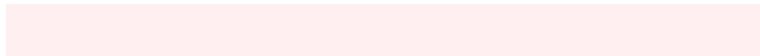
85.8516, 89.4554, 105.6372

Triad

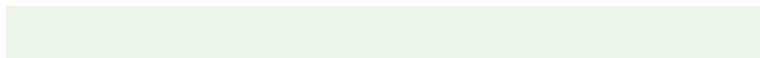
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3413, 89.4554, 105.7499



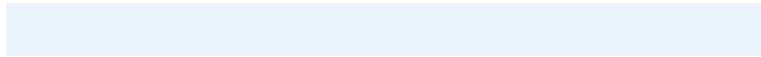
87.8536, 89.4554, 95.0600



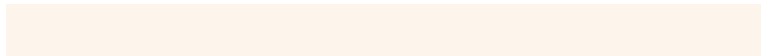
82.9292, 89.4554, 91.7548

Complementary

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



84.3413, 89.4554, 105.7499



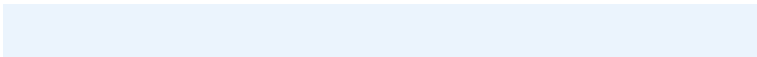
87.8545, 91.5816, 91.6454

Split Complementary

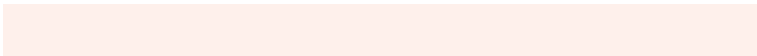
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2030, 89.4554, 89.6058



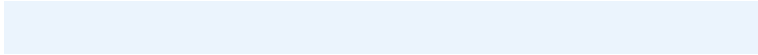
84.3413, 89.4554, 105.7499



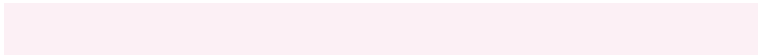
87.0517, 89.4554, 91.4749

Square

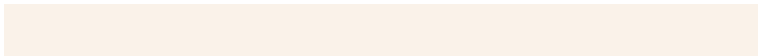
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



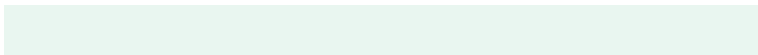
84.3413, 89.4554, 105.7499



87.8917, 89.4554, 99.3773



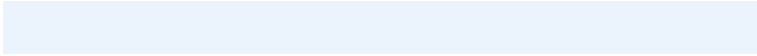
85.7117, 89.4554, 89.5049



82.2207, 89.4554, 95.4525

Rectangle

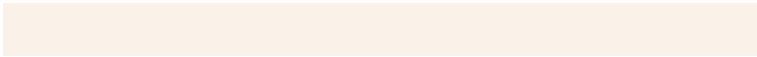
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3413, 89.4554, 105.7499



86.7681, 89.4554, 104.2806



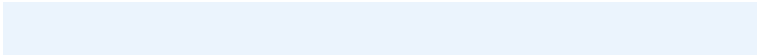
85.7117, 89.4554, 89.5049



83.3048, 89.4554, 90.8322

Sweetspot

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



84.3439, 89.4592, 105.7519



92.3907, 97.4300, 108.5441



85.6714, 94.4277, 99.0618



19.8033, 20.8810, 23.2366



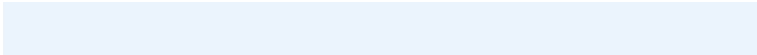
0.0000, 0.0000, 0.0000



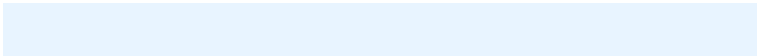
20.3446, 21.4041, 23.3091

Same Dimension

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



84.3439, 89.4592, 105.7519



83.5543, 88.8028, 107.3446



81.7864, 84.3443, 104.8994



17.7537, 18.8791, 22.9583



13.5838, 12.0771, 51.0498



1.4318, 1.3943, 5.0069

Inverse Universe

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



86.5475, 86.8328, 97.7912



86.3685, 85.5045, 97.1659



90.5355, 96.9436, 92.5391



18.3883, 18.1386, 20.6621



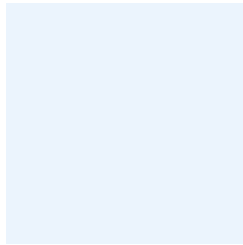
23.6446, 11.9472, 12.0451



2.3573, 1.1853, 1.4631

Previews

White Background



This preview shows how the XYZ color 84.3413, 89.4554, 105.7499 looks on a white background.

Color Contrast Check

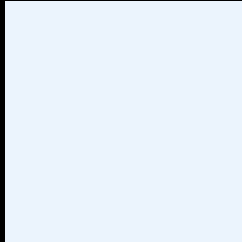
Large Text (above 18pt) WCAG AA × Fail

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 84.3413, 89.4554, 105.7499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

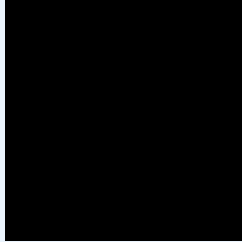
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

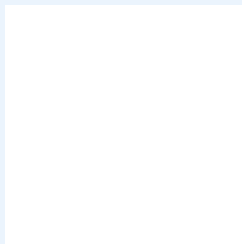
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3413, 89.4554, 105.7499

Background



This preview shows how black text looks on a background with the XYZ color 84.3413, 89.4554, 105.7499.



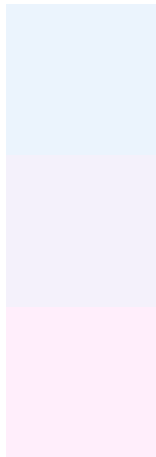
This preview shows how white text looks on a background with the XYZ color 84.3413, 89.4554,

105.7499.

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

84.3413, 89.4554, 105.7499

Protanopia

86.1761, 89.1087, 103.9245

Deuteranopia

89.2271, 89.3741, 103.8149



Tritanopia

85.6972, 89.6719, 107.3994

Trichromacy



Original Color

84.3413, 89.4554, 105.7499

Protanomaly

85.5984, 89.2333, 104.8077

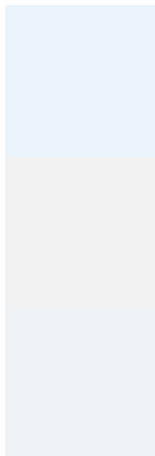
Deuteranomaly

87.4422, 89.3049, 104.7243

Tritanomaly

85.1999, 89.4341, 106.5379

Monochromacy



Original Color

84.3413, 89.4554, 105.7499

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.2817, 89.1057, 99.9458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3413, 89.4554, 105.7499 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(235, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(235, 244, 253)  
}
```

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(235, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 244, 253) }
```

Border

The CSS property to change the border of an element to XYZ 84.3413, 89.4554, 105.7499 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(235, 244, 253) }
```


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

```
.border{ border-color:rgb(235, 244, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 244, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(235, 244,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3413, 89.4554, 105.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 244, 253) }
```

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

```
.background{ background-color: rgb(235,  
244, 253) }
```

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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