

Converting Colors

XYZ(86.3774, 90.3675,
114.9236)

Have a look what the booklet for
XYZ(86.3774, 90.3675, 114.9236)
contains.

XYZ(84.9928, 89.7542, 107.4524)	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(84.9928, 89.7542,
107.4524)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF4FF
RGB	236, 244, 255
RGB Percent	93%, 96%, 100%
CMY	0.0745, 0.0431, 0.0000
CMYK	0.07, 0.04, 0.00, 0.00
HSL	215°, 100%, 96%
HSV	215°, 7%, 100%
XYZ	84.9928, 89.7542, 107.4524
YIQ	242.8620, -8.2990, 1.7250

Conversions

Conversions Part 2

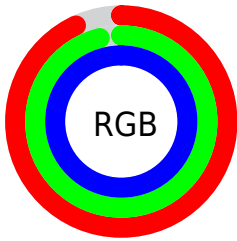
Format	Color
R _Y B	236, 242, 255
Decimal	15529215
CIE Lab	95.89, -0.60, -6.20
CIE LCh	96, 6.227, 264.507
Yxy	89.7542, 0.3012, 0.3181
Android (android.graphics.Color)	4293719295 (0xFFECEF4FF)
YUV	242.8620, 5.9840, -6.0180
Hunter-Lab	94.7387, -5.6552, -0.9295

Details

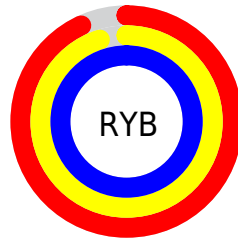
The XYZ color **84.9928, 89.7542, 107.4524** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6405, 93.8359, 92.7462**, and the grayscale version is **85.0424, 89.4713, 97.4342**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9987, 49.7470, 60.5511** is the 20% darker color. If you saturate the color by 10%, you get **72.8595, 77.1713, 105.6632**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

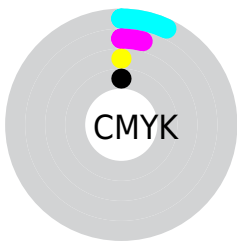
Distribution



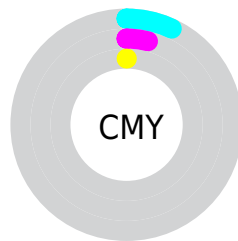
- Red (93%)
- Green (96%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9928, 89.7542, 107.4524 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 84.9928, 89.7542, 107.4524 by changing the saturation by 10% instead.

84.9928, 89.7542,
107.4524

84.9928, 89.7542,
107.4524

500.0883,
527.2310, 605.2801

64.1579, 67.7768,
81.8873

139.2772,
146.9969, 173.5023

47.0407, 49.7162,
60.7374

173.4574,
183.0310, 214.8241

33.2759, 35.1879,
43.5841

212.8168,
224.5195, 262.2353

22.4982, 23.8077,
30.0089

257.7206,
271.8467, 316.1544

14.3420, 15.1910,
19.5932

308.5344,
325.3971, 376.9998

8.4422, 8.9536,
11.9186

365.6233,

4.4334, 4.7109,

385.5550, 445.1903

6.5664

429.3528,
452.7048, 521.1442

■ 1.9501, 2.0787,
3.1181

■ 0.6057, 0.6526,
1.1553

■ 84.9928, 89.7542,
107.4524

■ 84.9928, 89.7542,
107.4524

■ 72.8595, 77.1713,
105.6632

95.0500, 100.0000,
108.9000

■ 62.2289, 65.8762,
104.0433

■ 53.0403, 55.8271,
102.5879

■ 45.2256, 46.9759,
101.2914

■ 38.7111, 39.2707,
100.1474

■ 33.4154, 32.6550,
99.1496

■ 29.2471, 27.0666,
98.2906

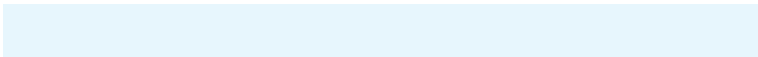
■ 26.0994, 22.4345,
97.5625

■ 23.8362, 18.6716,
96.9554

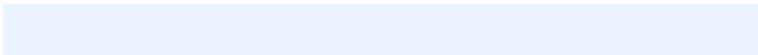
Harmonies

Analogous

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



83.4046, 89.7542, 105.6359



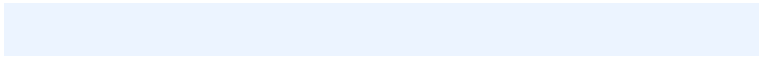
84.9928, 89.7542, 107.4524



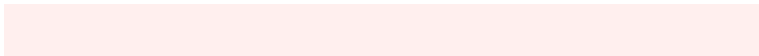
86.6866, 89.7542, 106.5928

Triad

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



84.9928, 89.7542, 107.4524



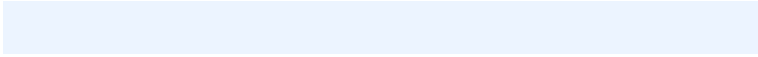
88.3506, 89.7542, 93.8541



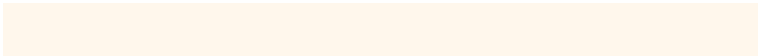
82.6466, 89.7542, 92.3352

Complementary

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



84.9928, 89.7542, 107.4524



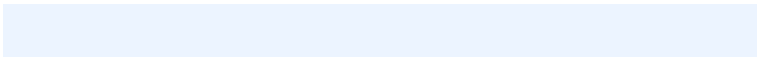
89.6405, 93.8359, 92.7462

Split Complementary

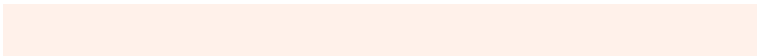
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9454, 89.7542, 89.3671



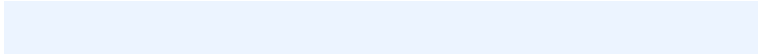
84.9928, 89.7542, 107.4524



87.2415, 89.7542, 90.2232

Square

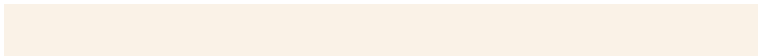
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



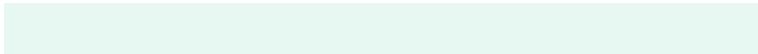
84.9928, 89.7542, 107.4524



88.6401, 89.7542, 98.6356



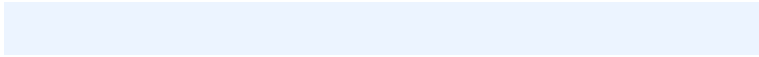
85.6253, 89.7542, 88.6070



82.0618, 89.7542, 96.8241

Rectangle

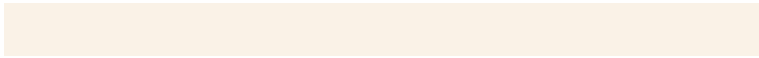
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9928, 89.7542, 107.4524



87.6459, 89.7542, 104.6322



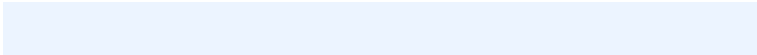
85.6253, 89.7542, 88.6070



83.0133, 89.7542, 91.1327

Sweetspot

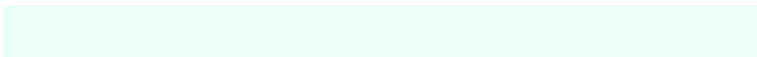
The Sweet Spot groups the original color and five complimentary colors.



84.9951, 89.7579, 107.4530



92.2641, 97.1768, 108.5019



87.1055, 96.0543, 101.7572



19.7775, 20.8295, 23.2281



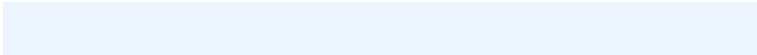
0.0000, 0.0000, 0.0000



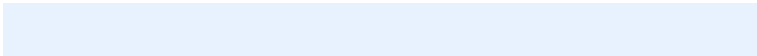
20.3446, 21.4041, 23.3091

Same Dimension

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



84.9951, 89.7579, 107.4530



83.0132, 87.7208, 107.1643



83.0610, 85.2631, 106.6874



17.6319, 18.6354, 22.9176



12.3419, 9.5934, 50.6358



1.3069, 1.1446, 4.9653

Inverse Universe

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



87.5661, 87.7842, 97.9211



86.0954, 85.3953, 95.7278



91.6762, 98.5968, 93.5579



18.3268, 18.1141, 20.3383



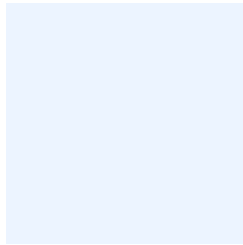
23.0178, 11.6964, 8.7443



2.2943, 1.1601, 1.1312

Previews

White Background



This preview shows how the XYZ color 84.9928, 89.7542, 107.4524 looks on a white background.

Color Contrast Check

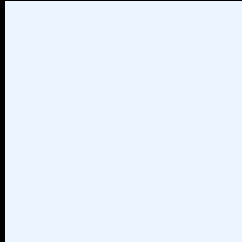
Large Text (above 18pt) WCAG AA × Fail

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 84.9928, 89.7542, 107.4524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

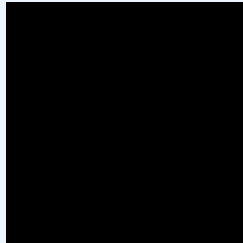
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

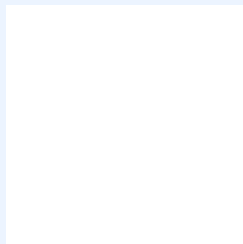
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9928, 89.7542, 107.4524

Background



This preview shows how black text looks on a background with the XYZ color 84.9928, 89.7542, 107.4524.



This preview shows how white text looks on a background with the XYZ color 84.9928, 89.7542,

107.4524.

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

84.9928, 89.7542, 107.4524

Protanopia

86.9498, 89.8931, 106.5343

Deuteranopia

89.3852, 89.4373, 104.6475



Tritanopia

85.6972, 89.6719, 107.3994

Trichromacy



Original Color

84.9928, 89.7542, 107.4524

Protanomaly

86.2156, 89.9577, 106.5855

Deuteranomaly

87.6011, 89.3685, 105.5613

Tritanomaly

85.3605, 89.4983, 107.3837

Monochromacy



Original Color

84.9928, 89.7542, 107.4524

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7743, 89.3418, 100.7723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9928, 89.7542, 107.4524 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 244, 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(236, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.9928, 89.7542, 107.4524 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, 244, 255) }
```


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

```
.border{ border-color:rgb(236, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9928, 89.7542, 107.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 244, 255) }
```

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

```
.background{ background-color: rgb(236,  
244, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor