

Converting Colors

XYZ(84.1648, 90.0440, 92.9731)

Have a look what the booklet for
XYZ(84.1648, 90.0440, 92.9731)
contains.

XYZ(84.2141, 90.1200, 93.0771)	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(84.2141, 90.1200,
93.0771)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F5ED
RGB	241, 245, 237
RGB Percent	95%, 96%, 93%
CMY	0.0549, 0.0392, 0.0706
CMYK	0.02, 0.00, 0.03, 0.04
HSL	90°, 29%, 95%
HSV	90°, 3%, 96%
XYZ	84.2141, 90.1200, 93.0771
YIQ	242.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

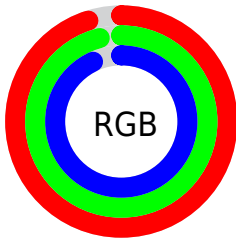
Format	Color
R _Y B	237, 245, 241
Decimal	15857133
CIE Lab	96.05, -2.73, 3.37
CIE LCh	96, 4.336, 128.958
Yxy	90.1200, 0.3149, 0.3370
Android (android.graphics.Color)	4294047213 (0xFFFF1F5ED)
YUV	242.8920, -2.9048, -1.6593
Hunter-Lab	94.9316, -7.7823, 8.3203

Details

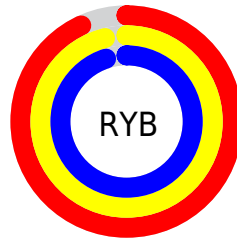
The XYZ color **84.2141, 90.1200, 93.0771** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.0447, 85.8641, 98.5873**, and the grayscale version is **85.1300, 89.5634, 97.5345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5457, 50.0457, 50.9226** is the 20% darker color. If you saturate the color by 10%, you get **76.8328, 86.7031, 75.3052**, and if you desaturate by 10%, it is **91.3064, 93.4595, 107.8349**.

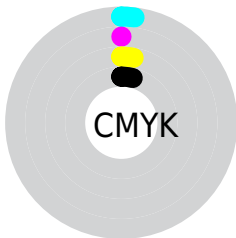
Distribution



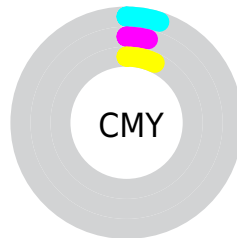
- Red (95%)
- Green (96%)
- Blue (93%)



- Red (93%)
- Yellow (96%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2141, 90.1200, 93.0771 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 84.2141, 90.1200, 93.0771 by changing the saturation by 10% instead.

84.2141, 90.1200,
93.0771

84.2141, 90.1200,
93.0771

497.5469,
528.4211, 558.8168

63.5125, 68.0802,
69.9476

138.1943,
147.5051, 153.5780

46.5162, 49.9630,
51.0072

172.2037,
183.6191, 191.7864

32.8597, 35.3840,
35.8376

211.3797,
225.1933, 235.8582

22.1777, 23.9588,
24.0201

256.0877,
272.6121, 286.2119

14.1049, 15.3031,
15.1362

306.6931,
326.2599, 343.2661

8.2758, 9.0324,
8.7673

363.5612,

4.3252, 4.7623,

386.5211, 407.4393

4.4950

427.0573,
453.7800, 479.1500

■ 1.8877, 2.1085,
1.9006

■ 0.5697, 0.6694,
0.4931

■ 84.2141, 90.1200,
93.0771

■ 84.2141, 90.1200,
93.0771

■ 76.8328, 86.7031,
75.3052

■ 91.3064, 93.4595,
107.8349

■ 70.1944, 83.6124,
60.0165

■ 91.9442, 93.7883,
107.8647

■ 64.2749, 80.8405,
47.1018

■ 59.0457, 78.3753,
36.4418

■ 54.4762, 76.2038,
27.9065

■ 50.5330, 74.3120,
21.3528

■ 47.1791, 72.6843,
16.6198

■ 44.3724, 71.3031,
13.5218

■ 42.0632, 70.1476,
11.8328

Harmonies

Analogous

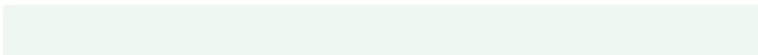
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2977, 90.1200, 91.7429



84.2141, 90.1200, 93.0771



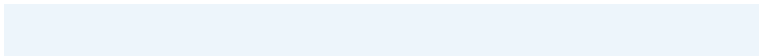
83.5213, 90.1200, 95.7723

Triad

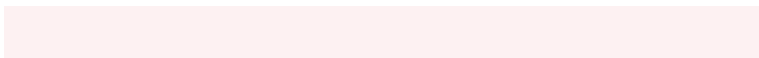
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2141, 90.1200, 93.0771



84.8307, 90.1200, 104.4215



87.9553, 90.1200, 97.1003

Complementary

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



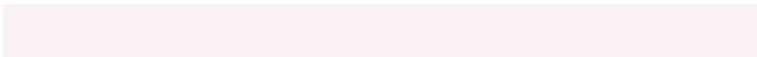
84.2141, 90.1200, 93.0771



83.0447, 85.8641, 98.5873

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.



87.8275, 90.1200, 100.5167



84.2141, 90.1200, 93.0771



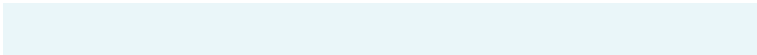
86.0161, 90.1200, 104.7972

Square

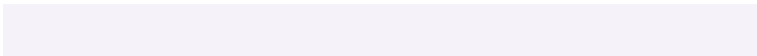
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



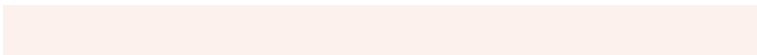
84.2141, 90.1200, 93.0771



83.8750, 90.1200, 102.3382



87.1150, 90.1200, 103.3529



87.4627, 90.1200, 94.0298

Rectangle

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



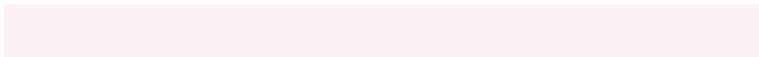
84.2141, 90.1200, 93.0771



83.3705, 90.1200, 98.0052



87.1150, 90.1200, 103.3529



87.9836, 90.1200, 98.2456

Sweetspot

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



84.2166, 90.1239, 93.0791



94.1743, 99.5957, 106.7302



84.4009, 88.4409, 92.7445



20.1664, 21.3218, 22.8675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

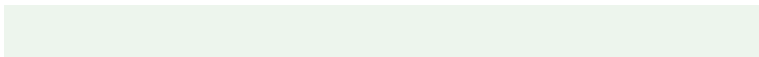
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2166, 90.1239, 93.0791



91.5984, 98.4054, 100.3926



82.8661, 89.4277, 93.0159



17.8317, 19.2309, 19.3806



22.1071, 37.5094, 6.0749



2.0615, 3.3578, 0.5395

Inverse Universe

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



83.0447, 85.8641, 98.5873



90.0315, 92.7099, 107.7574



84.4252, 86.5758, 98.6519



17.4701, 17.9167, 21.0801



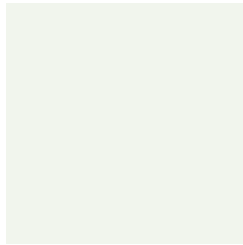
13.4059, 5.8853, 46.9674



1.2968, 0.5784, 4.1335

Previews

White Background



This preview shows how the XYZ color 84.2141, 90.1200, 93.0771 looks on a white background.

Color Contrast Check

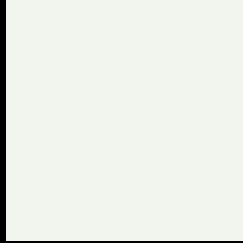
Large Text (above 18pt) WCAG AA × Fail

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 84.2141, 90.1200, 93.0771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

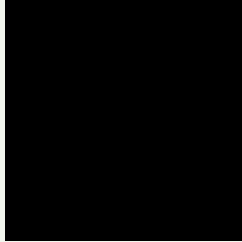
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

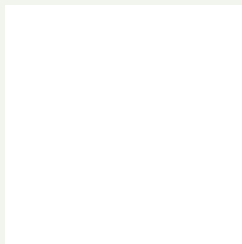
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2141, 90.1200, 93.0771

Background



This preview shows how black text looks on a background with the XYZ color 84.2141, 90.1200, 93.0771.



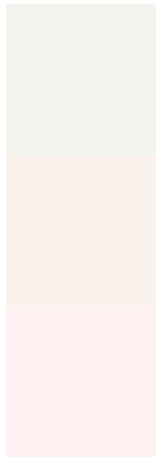
This preview shows how white text looks on a background with the XYZ color 84.2141, 90.1200,

93.071.

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

84.2141, 90.1200, 93.0771

Protanopia

86.3168, 89.8844, 92.1569

Deuteranopia

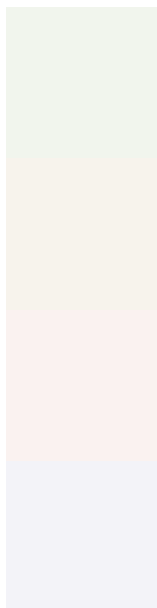
88.4271, 89.9910, 96.7138



Tritanopia

87.1104, 89.9574, 107.3800

Trichromacy



Original Color

84.2141, 90.1200, 93.0771

Protanomaly

85.5487, 89.9315, 92.2065

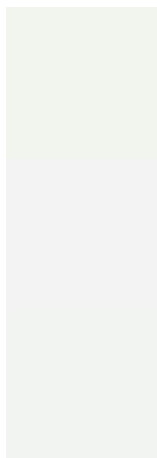
Deuteranomaly

86.9046, 90.1195, 95.2525

Tritanomaly

85.9560, 89.9332, 101.6354

Monochromacy



Original Color

84.2141, 90.1200, 93.0771

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.8458, 89.9295, 96.1054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2141, 90.1200, 93.0771 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(241, 245, 237) looks like.

```
.text, #text, p{  
    color:rgb(241, 245, 237)  
}
```

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(241, 245, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 245, 237) }
```

Border

The CSS property to change the border of an element to XYZ 84.2141, 90.1200, 93.0771 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(241, 245, 237) }
```


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

```
.border{ border-color:rgb(241, 245, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 245, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 245, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 245, 237);  
box-shadow:4px 4px 4px 4px rgb(241, 245,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2141, 90.1200, 93.0771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 245, 237) }
```

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

```
.background{ background-color: rgb(241,  
245, 237) }
```

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