

Converting Colors

XYZ(85.8169, 91.3054, 99.8344)

Have a look what the booklet for
XYZ(85.8169, 91.3054, 99.8344)
contains.

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Color

**XYZ(85.7128, 91.2049,
99.4730)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F6F5
RGB	241, 246, 245
RGB Percent	95%, 96%, 96%
CMY	0.0549, 0.0353, 0.0392
CMYK	0.02, 0.00, 0.00, 0.04
HSL	168°, 22%, 95%
HSV	168°, 2%, 96%
XYZ	85.7128, 91.2049, 99.4730
YIQ	244.3910, -2.6590, -1.3710

Conversions

Conversions Part 2

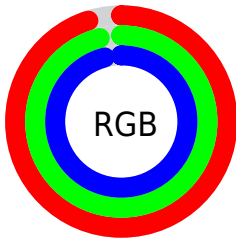
Format	Color
R _Y B	241, 244, 246
Decimal	15857397
CIE Lab	96.49, -1.82, -0.11
CIE LCh	96, 1.827, 183.396
Yxy	91.2049, 0.3101, 0.3300
Android (android.graphics.Color)	4294047477 (0xFFFF1F6F5)
YUV	244.3910, 0.3002, -2.9739
Hunter-Lab	95.5013, -6.9227, 5.0951

Details

The XYZ color **85.7128, 91.2049, 99.4730** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.4917, 88.9165, 96.6655**, and the grayscale version is **86.3036, 90.7981, 98.8791**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6063, 50.8153, 55.4433** is the 20% darker color. If you saturate the color by 10%, you get **77.1330, 86.8703, 95.1917**, and if you desaturate by 10%, it is **91.4431, 94.0733, 103.7296**.

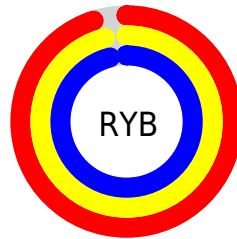
Distribution



Red (95%)

Green (96%)

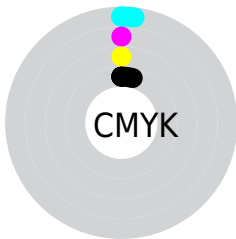
Blue (96%)



Red (95%)

Yellow (96%)

Blue (96%)

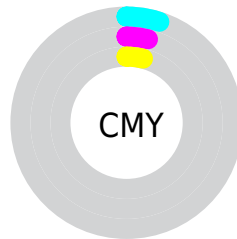


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (5%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7128, 91.2049, 99.4730 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 85.7128, 91.2049, 99.4730 by changing the saturation by 10% instead.

85.7128, 91.2049,
99.4730

85.7128, 91.2049,
99.4730

502.4319,
531.9426, 579.7340

64.7550, 68.9804,
75.2461

140.2775,
149.0109, 162.4783

47.5264, 50.6958,
55.3116

174.6152,
185.3613, 202.0938

33.6617, 35.9665,
39.2509

214.1434,
227.1890, 247.6759

22.7955, 24.4084,
26.6457

259.2277,
274.8785, 299.6431

14.5624, 15.6368,
17.0772

310.2333,
328.8143, 358.4139

8.5972, 9.2675,
10.1270

367.5257,

4.5344, 4.9161,

389.3806, 424.4070

5.3765

431.4701,
456.9619, 498.0409

■ 2.0087, 2.1981,
2.4073

■ 0.6388, 0.7190,
0.7904

■ 85.7128, 91.2049,
99.4730

■ 85.7128, 91.2049,
99.4730

■ 77.1330, 86.8703,
95.1917

■ 91.4431, 94.0733,
103.7296

■ 69.6594, 83.1012,
91.0645

■ 92.2272, 94.3869,
107.8586

■ 63.2464, 79.8764,
87.0903

■ 92.2475, 94.3951,
107.9658

■ 57.8419, 77.1694,
83.2657

■ 53.3896, 74.9510,
79.5874

■ 49.8276, 73.1893,
76.0516

■ 47.0866, 71.8485,
72.6542

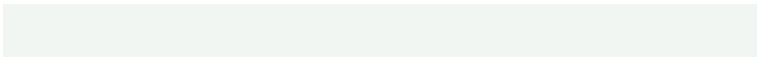
■ 45.0865, 70.8876,
69.3905

■ 43.7311, 70.2569,
66.2553

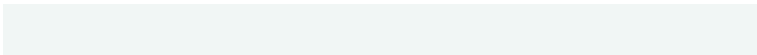
Harmonies

Analogous

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



85.8141, 91.2049, 98.0549



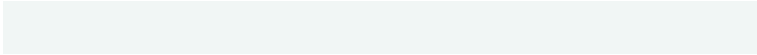
85.7128, 91.2049, 99.4730



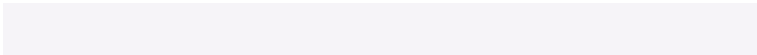
85.8718, 91.2049, 100.8597

Triad

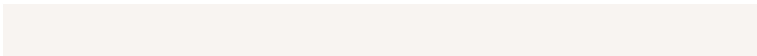
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7128, 91.2049, 99.4730



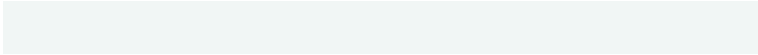
87.2281, 91.2049, 101.6686



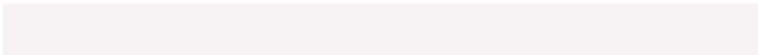
87.1272, 91.2049, 96.8179

Complementary

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



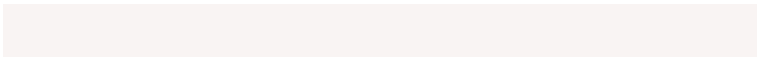
85.7128, 91.2049, 99.4730



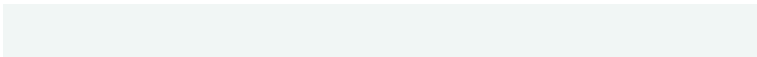
85.4917, 88.9165, 96.6655

Split Complementary

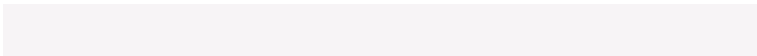
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5084, 91.2049, 97.7696



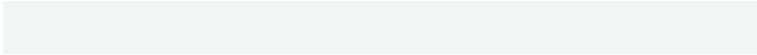
85.7128, 91.2049, 99.4730



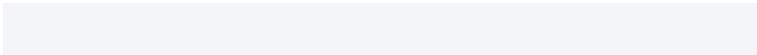
87.5668, 91.2049, 100.5690

Square

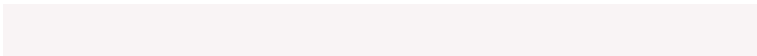
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7128, 91.2049, 99.4730



86.7456, 91.2049, 102.1351



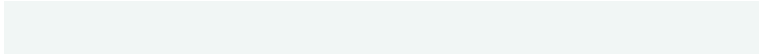
87.6696, 91.2049, 99.1404



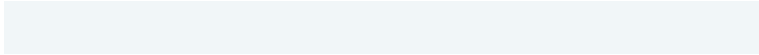
86.6295, 91.2049, 96.5308

Rectangle

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



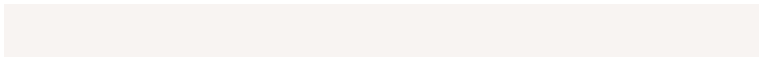
85.7128, 91.2049, 99.4730



86.1044, 91.2049, 101.5771



87.6696, 91.2049, 99.1404



87.2733, 91.2049, 97.0703

Sweetspot

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



85.7154, 91.2088, 99.4750



94.0358, 99.4867, 108.4231



85.4824, 91.1585, 96.3102



20.1382, 21.2996, 23.2121



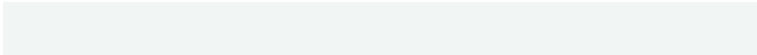
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



85.7154, 91.2088, 99.4750



93.0342, 98.9798, 107.9480



85.4395, 90.4110, 100.1414



18.2550, 19.4100, 21.1671



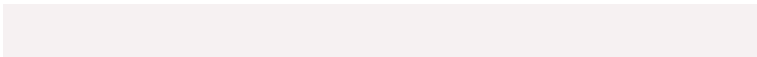
22.9995, 37.3446, 34.3466



2.0568, 3.2964, 3.2048

Inverse Universe

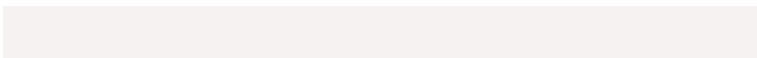
The Inverse Universe completely reimagines the original color for something new.



85.4917, 88.9165, 96.6655



92.7950, 96.5293, 104.9446



85.7626, 89.6991, 96.0137



18.2106, 18.9551, 20.6095



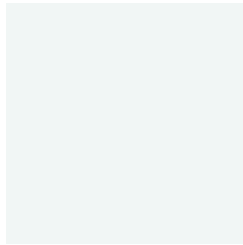
20.6256, 10.5937, 2.7368



1.8479, 0.9451, 0.4254

Previews

White Background



This preview shows how the XYZ color 85.7128, 91.2049, 99.4730 looks on a white background.

Color Contrast Check

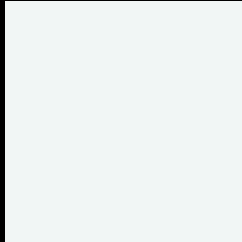
Large Text (above 18pt) WCAG AA × Fail

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 85.7128, 91.2049, 99.4730 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

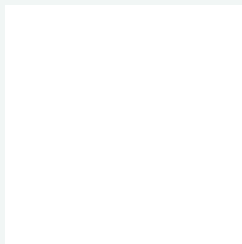
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.7128, 91.2049, 99.4730

Background



This preview shows how black text looks on a background with the XYZ color 85.7128, 91.2049, 99.4730.



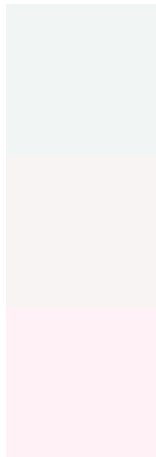
This preview shows how white text looks on a background with the XYZ color 85.7128, 91.2049,

99.4 30.

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

85.7128, 91.2049, 99.4730

Protanopia

87.7467, 91.3728, 98.5999

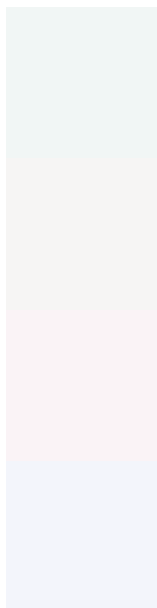
Deuteranopia

89.3298, 90.8244, 100.0115

Tritanopia

87.7089, 91.1545, 107.5796

Trichromacy



Original Color

85.7128, 91.2049, 99.4730

Protanomaly

86.9876, 91.4293, 98.6508

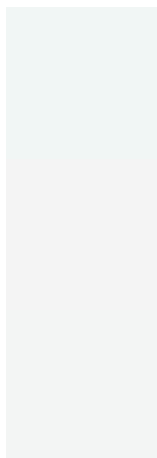
Deuteranomaly

88.1095, 91.0790, 100.1249

Tritanomaly

87.0271, 91.3245, 104.3074

Monochromacy



Original Color

85.7128, 91.2049, 99.4730

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.9437, 90.8912, 98.6020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7128, 91.2049, 99.4730 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, 246, 245) looks like.

```
.text, #text, p{  
    color:rgb(241, 246, 245)  
}
```

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, 246, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 246, 245) }
```

Border

The CSS property to change the border of an element to XYZ 85.7128, 91.2049, 99.4730 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, 246, 245) }
```


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

```
.border{ border-color:rgb(241, 246, 245) }
```

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

Here you see how a box with a 4 pixel rgb(241, 246, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 246, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 246, 245);  
box-shadow:4px 4px 4px 4px rgb(241, 246,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7128, 91.2049, 99.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 246, 245) }
```

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

```
.background{ background-color: rgb(241,  
246, 245) }
```

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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