

Converting Colors

XYZ(85.1722, 91.3906, 94.5568)

Have a look what the booklet for
XYZ(85.1722, 91.3906, 94.5568)
contains.

XYZ(85.4587, 91.6308, 94.8437)	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(85.4587, 91.6308,
94.8437)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F7EF
RGB	242, 247, 239
RGB Percent	95%, 97%, 94%
CMY	0.0510, 0.0313, 0.0627
CMYK	0.02, 0.00, 0.03, 0.03
HSL	98°, 33%, 95%
HSV	98°, 3%, 97%
XYZ	85.4587, 91.6308, 94.8437
YIQ	244.5930, -0.4120, -3.5480

Conversions

Conversions Part 2

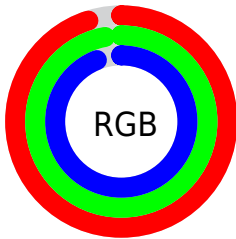
Format	Color
R_{YB}	239, 247, 244
Decimal	15923183
CIE Lab	96.67, -3.06, 3.25
CIE LCh	97, 4.462, 133.221
Yxy	91.6308, 0.3143, 0.3370
Android (android.graphics.Color)	4294113263 (0xFF2F7EF)
YUV	244.5930, -2.7573, -2.2741
Hunter-Lab	95.7240, -8.1590, 8.2620

Details

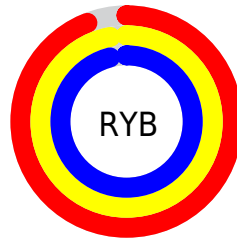
The XYZ color **85.4587, 91.6308, 94.8437** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9668, 87.6840, 100.4469**, and the grayscale version is **86.4881, 90.9922, 99.0905**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4277, 51.1196, 52.1671** is the 20% darker color. If you saturate the color by 10%, you get **76.9780, 87.6547, 76.6820**, and if you desaturate by 10%, it is **92.5526, 95.0051, 108.0675**.

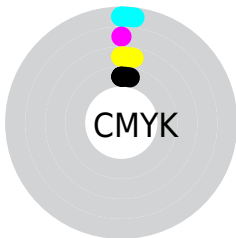
Distribution



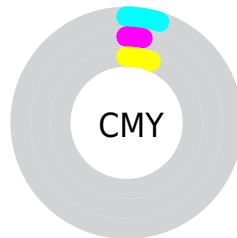
- Red (95%)
- Green (97%)
- Blue (94%)



- Red (94%)
- Yellow (97%)
- Blue (96%)



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



- Cyan (5%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4587, 91.6308, 94.8437 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 85.4587, 91.6308, 94.8437 by changing the saturation by 10% instead.

85.4587, 91.6308,
94.8437

85.4587, 91.6308,
94.8437

501.6055,
533.3216, 564.6360

64.5442, 69.3340,
71.4087

139.9246,
149.6016, 156.0424

47.3549, 50.9838,
52.1919

174.2067,
186.0444, 194.6432

33.5255, 36.1957,
36.7748

213.6755,
227.9713, 239.1363

22.6904, 24.5854,
24.7387

258.6961,
275.7667, 289.9403

14.4845, 15.7684,
15.6653

309.6341,
329.8151, 347.4737

8.5424, 9.3604,
9.1358

366.8548,

4.4986, 4.9770,

390.5008, 412.1551

4.7319

430.7234,
458.2081, 484.4031

■ 1.9879, 2.2338,
2.0348

■ 0.6272, 0.7383,
0.5766

■ 85.4587, 91.6308,
94.8437

■ 85.4587, 91.6308,
94.8437

■ 76.9780, 87.6547,
76.6820

■ 92.5526, 95.0051,
108.0675

■ 69.4100, 84.0912,
61.0595

■ 62.7244, 80.9298,
47.8647

■ 56.8862, 78.1551,
36.9753

■ 51.8579, 75.7506,
28.2587

■ 47.5988, 73.6986,
21.5685

■ 44.0638, 71.9795,
16.7404

■ 41.2026, 70.5714,
13.5844

■ 38.9560, 69.4488,
11.8697

Harmonies

Analogous

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



86.5445, 91.6308, 93.2260



85.4587, 91.6308, 94.8437



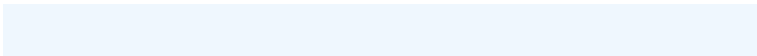
84.8141, 91.6308, 97.7987

Triad

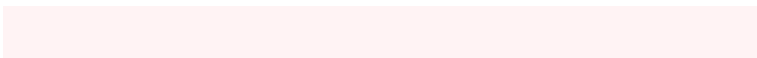
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4587, 91.6308, 94.8437



86.4011, 91.6308, 106.4986



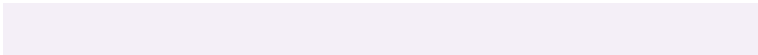
89.4503, 91.6308, 98.2063

Complementary

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



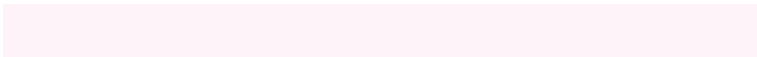
85.4587, 91.6308, 94.8437



84.9668, 87.6840, 100.4469

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.



89.4110, 91.6308, 101.7683



85.4587, 91.6308, 94.8437



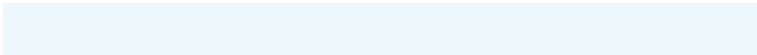
87.6425, 91.6308, 106.6140

Square

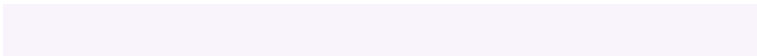
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



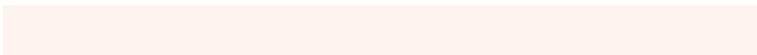
85.4587, 91.6308, 94.8437



85.3546, 91.6308, 104.5530



88.7466, 91.6308, 104.8648



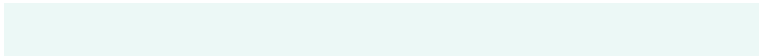
88.8534, 91.6308, 95.1359

Rectangle

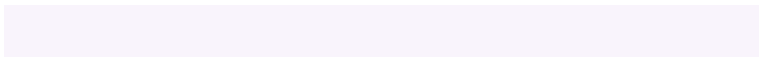
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



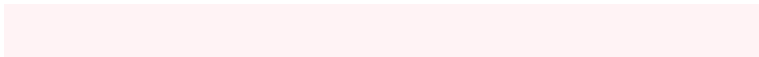
85.4587, 91.6308, 94.8437



84.7174, 91.6308, 100.1571



88.7466, 91.6308, 104.8648



89.5112, 91.6308, 99.3846

Sweetspot

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



85.4613, 91.6347, 94.8457



94.0580, 99.5357, 106.7247



86.2720, 90.6712, 94.6170



20.1427, 21.3096, 22.8664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

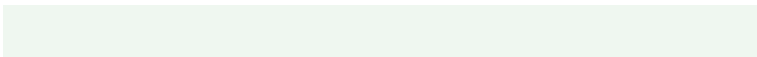
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4613, 91.6347, 94.8457



91.1434, 98.1708, 100.3713



84.5784, 91.1636, 95.5265



17.7268, 19.1768, 19.3757



20.0993, 36.4744, 5.9809



1.8765, 3.2624, 0.5308

Inverse Universe

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



84.9668, 87.6840, 100.4469



90.4895, 92.9460, 107.7788



85.8725, 88.1675, 99.7389



17.5759, 17.9712, 21.0850



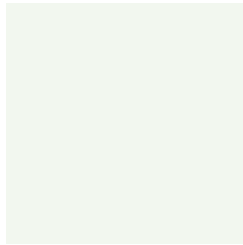
16.1329, 7.2911, 47.0951



1.5315, 0.6994, 4.1445

Previews

White Background



This preview shows how the XYZ color 85.4587, 91.6308, 94.8437 looks on a white background.

Color Contrast Check

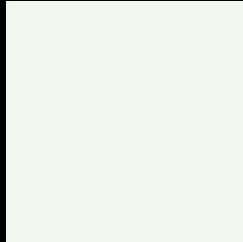
Large Text (above 18pt) WCAG AA × Fail

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 85.4587, 91.6308, 94.8437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

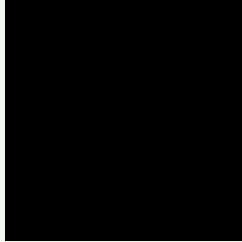
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

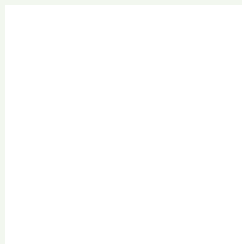
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.4587, 91.6308, 94.8437

Background



This preview shows how black text looks on a background with the XYZ color 85.4587, 91.6308, 94.8437.



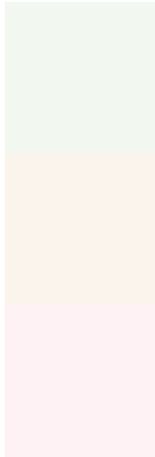
This preview shows how white text looks on a background with the XYZ color 85.4587, 91.6308,

94.8437.

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

85.4587, 91.6308, 94.8437

Protanopia

87.4204, 91.3250, 93.1407

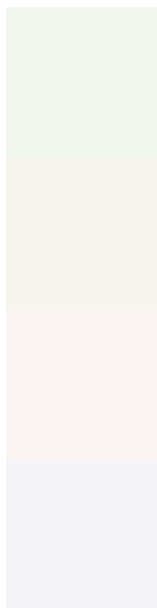
Deuteranopia

89.3213, 91.2959, 98.5021

Tritanopia

88.4067, 91.5142, 107.6122

Trichromacy



Original Color

85.4587, 91.6308, 94.8437

Protanomaly

86.7964, 91.4343, 93.9628

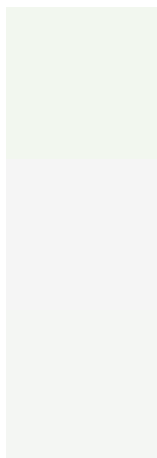
Deuteranomaly

87.8020, 91.4362, 97.0257

Tritanomaly

87.4075, 91.5568, 102.6879

Monochromacy



Original Color

85.4587, 91.6308, 94.8437

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.4417, 91.6157, 97.9217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4587, 91.6308, 94.8437 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(242, 247, 239) looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 239)  
}
```

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(242, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 239) }
```

Border

The CSS property to change the border of an element to XYZ 85.4587, 91.6308, 94.8437 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(242, 247, 239) }
```


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

```
.border{ border-color:rgb(242, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4587, 91.6308, 94.8437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 239) }
```

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

```
.background{ background-color: rgb(242,  
247, 239) }
```

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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