

Converting Colors

XYZ(87.6849, 96.5393, 93.3699)

Have a look what the booklet for
XYZ(87.6849, 96.5393, 93.3699)
contains.

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Color

**XYZ(87.5183, 96.4534,
93.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFEC
RGB	242, 255, 236
RGB Percent	95%, 100%, 93%
CMY	0.0510, 0.0000, 0.0745
CMYK	0.05, 0.00, 0.07, 0.00
HSL	101°, 100%, 96%
HSV	101°, 7%, 100%
XYZ	87.5183, 96.4534, 93.3615
YIQ	248.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

Format	Color
R _Y B	236, 255, 249
Decimal	15925228
CIE Lab	98.61, -7.58, 7.60
CIE LCh	99, 10.738, 134.934
Yxy	96.4534, 0.3156, 0.3478
Android (android.graphics.Color)	4294115308 (0xFFFF2FFEC)
YUV	248.9470, -6.3829, -6.0925
Hunter-Lab	98.2107, -12.8024, 12.3850

Details

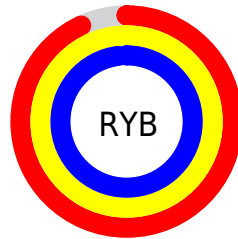
The XYZ color **87.5183, 96.4534, 93.3615** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1130, 87.3518, 106.8770**, and the grayscale version is **90.0502, 94.7399, 103.1717**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6820, 54.1226, 51.0609** is the 20% darker color. If you saturate the color by 10%, you get **78.3681, 92.1342, 74.9543**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

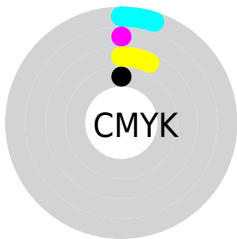
Distribution



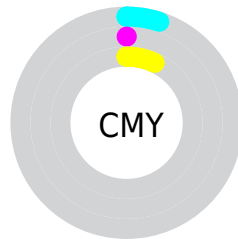
- Red (95%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (98%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5183, 96.4534, 93.3615 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 87.5183, 96.4534, 93.3615 by changing the saturation by 10% instead.

87.5183, 96.4534,
93.3615

87.5183, 96.4534,
93.3615

508.2835,
548.8075, 559.7559

66.2537, 73.3452,
70.1827

142.7823,
156.2710, 153.9750

48.7468, 54.2583,
51.1977

177.5124,
193.7492, 192.2468

34.6324, 38.8082,
35.9882

217.4617,
236.7863, 236.3867

23.5450, 26.6106,
24.1355

262.9955,
285.7665, 286.8131

15.1194, 17.2810,
15.2210

314.4793,
341.0744, 343.9448

8.9901, 10.4350,
8.8263

372.2783,

4.7918, 5.6883,

403.0942, 408.2000

4.5328

436.7579,
472.2105, 479.9976

■ 2.1591, 2.6565,
1.9219

■ 0.7210, 0.9552,
0.5066

■ 87.5183, 96.4534,
93.3615

■ 87.5183, 96.4534,
93.3615

■ 78.3681, 92.1342,
74.9543

95.0500, 100.0000,
108.9000

■ 70.2793, 88.3038,
59.2402

■ 63.2122, 84.9442,
46.0939

■ 57.1234, 82.0361,
35.3788

■ 51.9664, 79.5589,
26.9453

■ 47.6904, 77.4900,
20.6275

■ 44.2392, 75.8044,
16.2369

■ 41.5486, 74.4740,
13.5517

■ 39.5400, 73.4645,
12.2828

Harmonies

Analogous

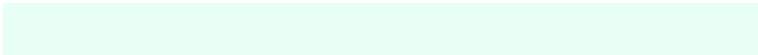
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1441, 96.4534, 89.3323



87.5183, 96.4534, 93.3615



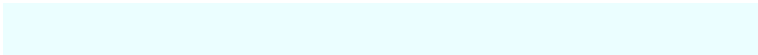
86.0238, 96.4534, 100.6337

Triad

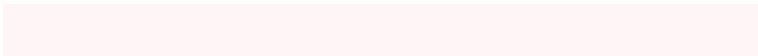
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5183, 96.4534, 93.3615



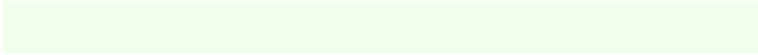
90.1309, 96.4534, 122.4362



97.5744, 96.4534, 100.6708

Complementary

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



87.5183, 96.4534, 93.3615



87.1130, 87.3518, 106.8770

Split Complementary

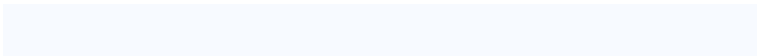
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.5706, 96.4534, 109.5347



87.5183, 96.4534, 93.3615



93.2253, 96.4534, 122.4476

Square

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



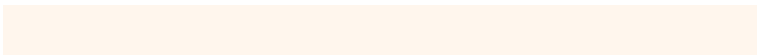
87.5183, 96.4534, 93.3615



87.5089, 96.4534, 117.5836



95.9635, 96.4534, 117.6137



95.9735, 96.4534, 93.3873

Rectangle

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



87.5183, 96.4534, 93.3615



85.8482, 96.4534, 106.5008



95.9635, 96.4534, 117.6137



97.7619, 96.4534, 103.5557

Sweetspot

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



87.5191, 96.4538, 93.3630



92.9675, 99.0200, 104.5732



90.2513, 95.0577, 92.9495



19.9207, 21.2047, 22.4283



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.



87.5191, 96.4538, 93.3630



86.0298, 95.7516, 90.3288



86.0044, 95.6139, 95.9598



18.3114, 20.4464, 19.1258



20.5730, 38.3438, 6.3168



2.1105, 3.7888, 0.6201

Inverse Universe

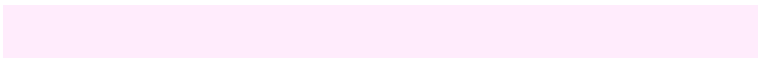
The Inverse Universe completely reimagines the original color for something new.



87.1130, 87.3518, 106.8770



85.5443, 84.8726, 106.4811



88.7302, 88.2497, 104.0520



18.2020, 17.9959, 22.7641



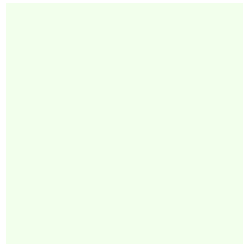
18.7687, 8.5861, 50.1026



1.9407, 0.8944, 4.8836

Previews

White Background



This preview shows how the XYZ color 87.5183, 96.4534, 93.3615 looks on a white background.

Color Contrast Check

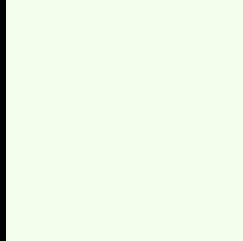
Large Text (above 18pt) WCAG AA × Fail

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 87.5183, 96.4534, 93.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

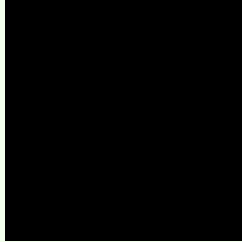
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

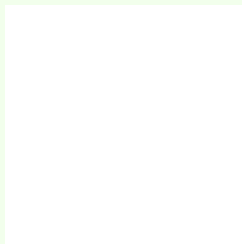
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.5183, 96.4534, 93.3615

Background



This preview shows how black text looks on a background with the XYZ color 87.5183, 96.4534, 93.3615.



This preview shows how white text looks on a background with the XYZ color 87.5183, 96.4534,

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

87.5183, 96.4534, 93.3615

Protanopia

91.6033, 96.1023, 98.5156

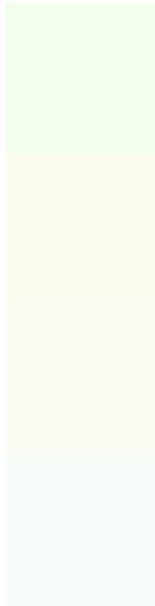
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

91.9715, 96.5384, 108.3941

Trichromacy



Original Color

87.5183, 96.4534, 93.3615

Protanomaly

89.9629, 96.2361, 96.2719

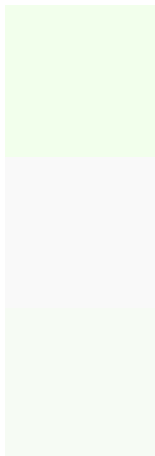
Deuteranomaly

90.5639, 96.4765, 99.4365

Tritanomaly

90.1115, 96.1723, 102.6207

Monochromacy



Original Color

87.5183, 96.4534, 93.3615

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

88.8324, 95.1188, 99.2658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5183, 96.4534, 93.3615 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, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 236)  
}
```

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, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 87.5183, 96.4534, 93.3615 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, 255, 236) }
```


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

```
.border{ border-color:rgb(242, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5183, 96.4534, 93.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 236) }
```

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

```
.background{ background-color: rgb(242,  
255, 236) }
```

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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