

Converting Colors

XYZ(88.2298, 97.8901, 93.2068)

Have a look what the booklet for
XYZ(88.2298, 97.8901, 93.2068)
contains.

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Color

**XYZ(87.3733, 96.3954,
92.5984)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFEB
RGB	242, 255, 235
RGB Percent	95%, 100%, 92%
CMY	0.0510, 0.0000, 0.0784
CMYK	0.05, 0.00, 0.08, 0.00
HSL	99°, 100%, 96%
HSV	99°, 8%, 100%
XYZ	87.3733, 96.3954, 92.5984
YIQ	248.8330, -1.3280, -8.9760

Conversions

Conversions Part 2

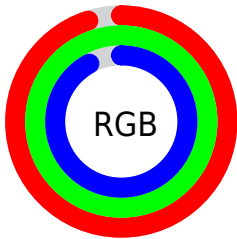
Format	Color
R_{YB}	235, 255, 248
Decimal	15925227
CIE _{Lab}	98.59, -7.75, 8.08
CIE _{LCh}	99, 11.200, 133.816
Y _{xy}	96.3954, 0.3161, 0.3488
Android (android.graphics.Color)	4294115307 (0xFFFF2FFEB)
YUV	248.8330, -6.8197, -5.9925
Hunter-Lab	98.1812, -12.9664, 12.8081

Details

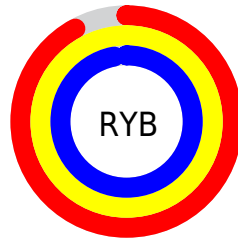
The XYZ color **87.3733, 96.3954, 92.5984** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4705, 86.5944, 106.7646**, and the grayscale version is **89.9598, 94.6447, 103.0681**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5805, 54.0819, 50.5262** is the 20% darker color. If you saturate the color by 10%, you get **78.5153, 92.2245, 74.3108**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

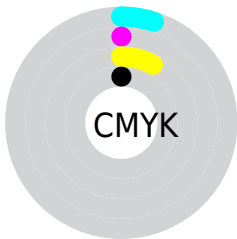
Distribution



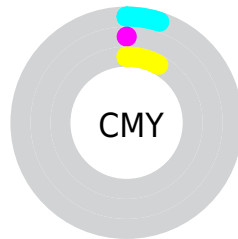
- Red (95%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.3733, 96.3954, 92.5984 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 87.3733, 96.3954, 92.5984 by changing the saturation by 10% instead.


 87.3733, 96.3954,
92.5984

 87.3733, 96.3954,
92.5984


507.8149,
548.6226, 557.2343

 66.1332, 73.2969,
69.5519


142.5813,
156.1910, 152.9094

 48.6487, 54.2188,
50.6868


177.2800,
193.6569, 191.0110

 34.5543, 38.7766,
35.5844


217.1956,
236.6807, 234.9681

 23.4846, 26.5860,
23.8263

262.6935,
285.6469, 285.1991

 15.0744, 17.2625,
14.9938

314.1390,
340.9398, 342.1228

 8.9583, 10.4218,
8.6684

371.8975,

 4.7709, 5.6795,

402.9437, 406.1575

4.4317

436.3344,
472.0432, 477.7218

■ 2.1468, 2.6512,
1.8650

■ 0.7145, 0.9525,
0.4704

■ 87.3733, 96.3954,
92.5984

■ 87.3733, 96.3954,
92.5984

■ 78.5153, 92.2245,
74.3108

95.0500, 100.0000,
108.9000

■ 70.6643, 88.5144,
58.7090

■ 63.7831, 85.2485,
45.6676

■ 57.8308, 82.4088,
35.0495

■ 52.7634, 79.9760,
26.7048

■ 48.5332, 77.9289,
20.4668

■ 45.0868, 76.2443,
16.1464

■ 42.3635, 74.8956,
13.5200

■ 40.2868, 73.8501,
12.2892

Harmonies

Analogous

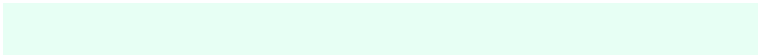
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1406, 96.3954, 88.5620



87.3733, 96.3954, 92.5984



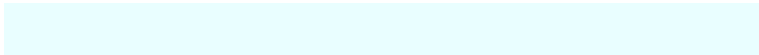
85.7648, 96.3954, 100.0614

Triad

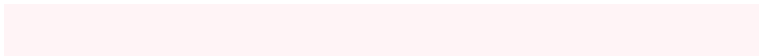
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3733, 96.3954, 92.5984



89.8948, 96.3954, 123.0503



97.8073, 96.3954, 100.7531

Complementary

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



87.3733, 96.3954, 92.5984



86.4705, 86.5944, 106.7646

Split Complementary

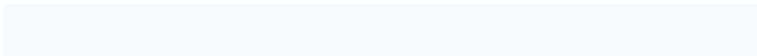
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.7377, 96.3954, 110.0122



87.3733, 96.3954, 92.5984



93.1174, 96.3954, 123.2627

Square

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



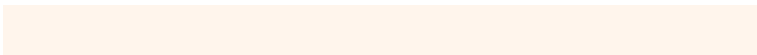
87.3733, 96.3954, 92.5984



87.1970, 96.3954, 117.8075



96.0041, 96.3954, 118.3716



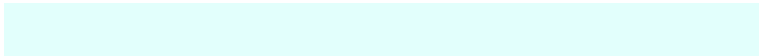
96.1920, 96.3954, 93.0790

Rectangle

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



87.3733, 96.3954, 92.5984



85.5419, 96.3954, 106.1507



96.0041, 96.3954, 118.3716



97.9813, 96.3954, 103.7747

Sweetspot

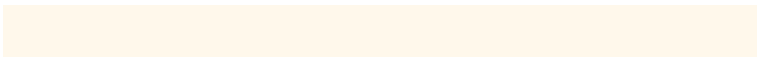
The Sweet Spot groups the original color and five complimentary colors.



87.3741, 96.3957, 92.5999



93.0305, 99.0525, 104.5761



89.8033, 94.3935, 92.0854



19.9336, 21.2113, 22.4289



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.



87.3741, 96.3957, 92.5999



86.2958, 95.8887, 90.3413



85.4544, 95.3556, 94.7917



18.3712, 20.4773, 19.1286



20.9958, 38.5618, 6.3366



2.1571, 3.8128, 0.6223

Inverse Universe

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



86.4705, 86.5944, 106.7646



85.2670, 84.7296, 106.4681



88.5196, 87.7061, 104.3592



18.1395, 17.9636, 22.7612



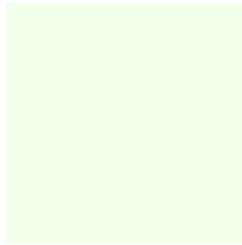
17.7890, 8.0810, 50.0568



1.8503, 0.8478, 4.8794

Previews

White Background



This preview shows how the XYZ color 87.3733, 96.3954, 92.5984 looks on a white background.

Color Contrast Check

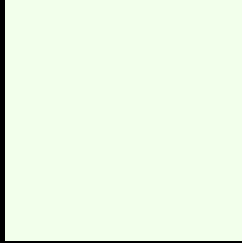
Large Text (above 18pt) WCAG AA × Fail

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 87.3733, 96.3954, 92.5984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

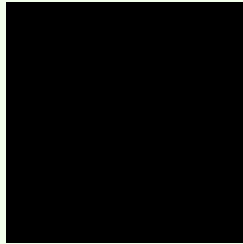
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

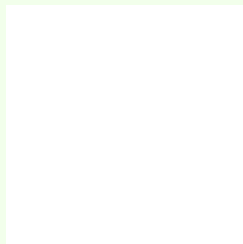
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.3733, 96.3954, 92.5984

Background



This preview shows how black text looks on a background with the XYZ color 87.3733, 96.3954, 92.5984.



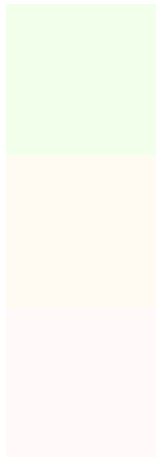
This preview shows how white text looks on a background with the XYZ color 87.3733, 96.3954,

92.5 84.

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

87.3733, 96.3954, 92.5984

Protanopia

91.4526, 96.0420, 97.7223

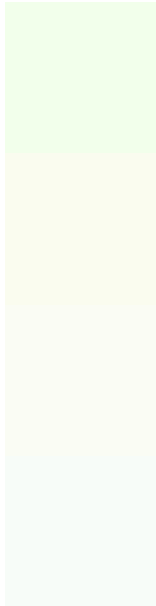
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

91.9715, 96.5384, 108.3941

Trichromacy



Original Color

87.3733, 96.3954, 92.5984

Protanomaly

89.8147, 96.1768, 95.4916

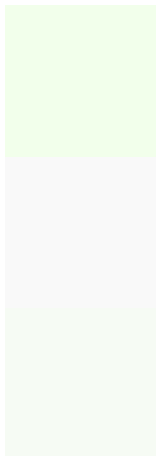
Deuteranomaly

90.5639, 96.4765, 99.4365

Tritanomaly

90.1115, 96.1723, 102.6207

Monochromacy



Original Color

87.3733, 96.3954, 92.5984

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 87.3733, 96.3954, 92.5984 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, 235) looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 87.3733, 96.3954, 92.5984 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, 235) }
```


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

```
.border{ border-color:rgb(242, 255, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 87.3733, 96.3954, 92.5984 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, 235) }
```

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

```
.background{ background-color: rgb(242,  
255, 235) }
```

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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