

Converting Colors

XYZ(101.0048, 100.0000,
82.3920)

Have a look what the booklet for
XYZ(101.0048, 100.0000, 82.3920)
contains.

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Color

**XYZ(87.5519, 93.0020,
81.7433)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7DD
RGB	255, 247, 221
RGB Percent	100%, 97%, 87%
CMY	0.0000, 0.0313, 0.1333
CMYK	0.00, 0.03, 0.13, 0.00
HSL	46°, 100%, 93%
HSV	46°, 13%, 100%
XYZ	87.5519, 93.0020, 81.7433
YIQ	246.4280, 13.1140, -6.3900

Conversions

Conversions Part 2

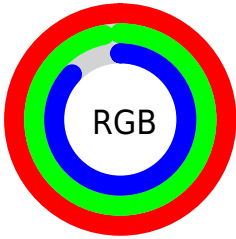
Format	Color
R_{YB}	231, 255, 221
Decimal	16775133
CIE Lab	97.23, -1.56, 13.45
CIE LCh	97, 13.539, 96.607
Yxy	93.0020, 0.3338, 0.3546
Android (android.graphics.Color)	4294965213 (0xFFFFF7DD)
YUV	246.4280, -12.5360, 7.5176
Hunter-Lab	96.4375, -6.7125, 17.2503

Details

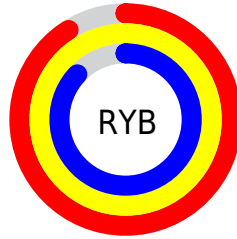
The XYZ color **87.5519, 93.0020, 81.7433** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.8875, 78.6286, 105.7849**, and the grayscale version is **88.0368, 92.6215, 100.8648**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8024, 52.0205, 43.5452** is the 20% darker color. If you saturate the color by 10%, you get **82.6056, 88.1398, 64.5867**, and if you desaturate by 10%, it is **93.0776, 98.1964, 101.6413**.

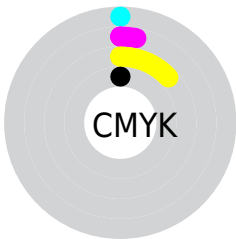
Distribution



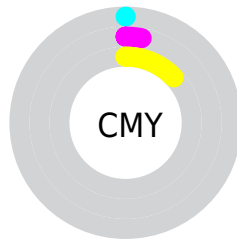
- Red (100%)
- Green (97%)
- Blue (87%)



- Red (91%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.5519, 93.0020, 81.7433 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 87.5519, 93.0020, 81.7433 by changing the saturation by 10% instead.


 87.5519, 93.0020,
81.7433

 87.5519, 93.0020,
81.7433


508.3921,
537.7486, 520.6495

 66.2816, 70.4732,
60.6194


142.8289,
151.5014, 137.6474

 48.7696, 51.9124,
43.4895


177.5662,
188.2407, 173.2647

 34.6505, 36.9352,
29.9351

217.5233,
230.4857, 214.5502

 23.5590, 25.1573,
19.5377

263.0655,
278.6207, 261.9224

 15.1298, 16.1943,
11.8787

314.5581,
333.0300, 315.7999

 8.9974, 9.6618,
6.5396

372.3665,

 4.7966, 5.1753,

394.0982, 376.6012

3.1018

436.8560,
462.2096, 444.7449

■ 2.1619, 2.3505,
1.1469

■ 0.7226, 0.8002,
0.0000

■ 87.5519, 93.0020,
81.7433

■ 87.5519, 93.0020,
81.7433

■ 82.6056, 88.1398,
64.5867

■ 93.0776, 98.1964,
101.6413

■ 78.2085, 83.5876,
50.0431

95.0500, 100.0000,
108.9000

■ 74.3372, 79.3384,
37.9830

■ 70.9639, 75.3800,
28.2630

■ 68.0582, 71.6995,
20.7252

■ 65.5858, 68.2821,
15.1922

■ 63.5071, 65.1111,
11.4584

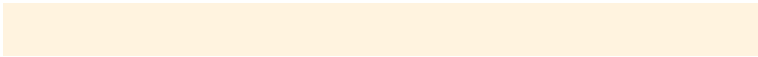
■ 61.7741, 62.1664,
9.2739

■ 60.7649, 60.3099,
8.4383

Harmonies

Analogous

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



91.3488, 93.0020, 83.1312



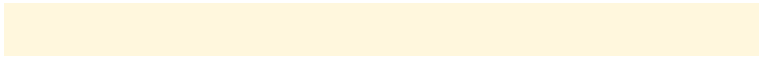
87.5519, 93.0020, 81.7433



84.0809, 93.0020, 85.2746

Triad

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



87.5519, 93.0020, 81.7433



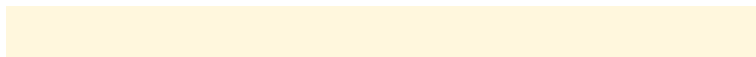
82.6207, 93.0020, 114.3538



95.3209, 93.0020, 109.8609

Complementary

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



87.5519, 93.0020, 81.7433



75.8875, 78.6286, 105.7849

Split Complementary

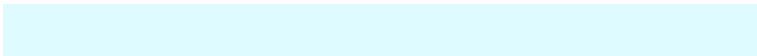
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8555, 93.0020, 119.1353



87.5519, 93.0020, 81.7433



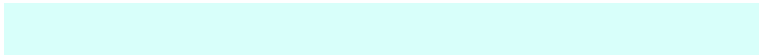
85.5068, 93.0020, 121.8572

Square

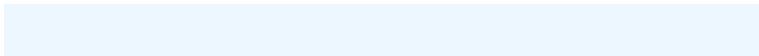
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5519, 93.0020, 81.7433



81.2874, 93.0020, 103.7068



89.2447, 93.0020, 123.6671



95.9066, 93.0020, 98.8586

Rectangle

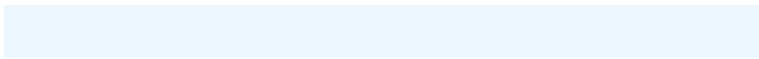
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5519, 93.0020, 81.7433



82.3947, 93.0020, 90.1045



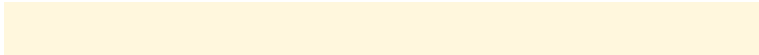
89.2447, 93.0020, 123.6671



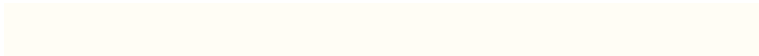
94.6811, 93.0020, 113.3075

Sweetspot

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



87.5541, 93.0059, 81.7453



92.6906, 97.8397, 100.2258



81.3099, 78.6591, 85.3936



19.7469, 20.8560, 21.1142



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

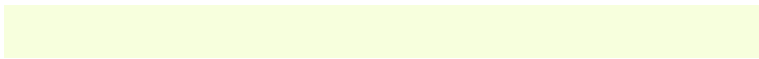
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5541, 93.0059, 81.7453



86.1788, 91.6766, 76.9056



86.9932, 96.4240, 82.4346



19.1779, 20.3241, 19.0565



31.8713, 31.7539, 4.4493



3.1865, 3.2583, 0.4610

Inverse Universe

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



75.8875, 78.6286, 105.7849



72.4400, 74.7464, 105.2172



76.3803, 75.6745, 105.1887



17.3496, 18.0708, 22.8235



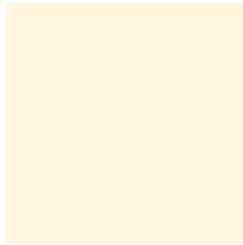
10.3686, 5.6469, 49.9781



1.0890, 0.7087, 4.8927

Previews

White Background



This preview shows how the XYZ color 87.5519, 93.0020, 81.7433 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 87.5519, 93.0020, 81.7433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

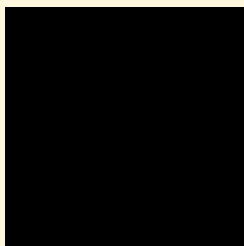
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.5519, 93.0020, 81.7433

Background



This preview shows how black text looks on a background with the XYZ color 87.5519, 93.0020, 81.7433.



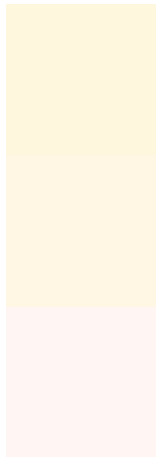
This preview shows how white text looks on a background with the XYZ color 87.5519, 93.0020,

81.7433.

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

87.5519, 93.0020, 81.7433

Protanopia

88.0609, 92.7176, 85.9280

Deuteranopia

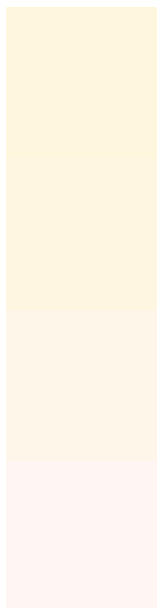
89.9194, 92.9756, 97.2112



Tritanopia

91.6407, 93.1814, 107.7636

Trichromacy



Original Color

87.5519, 93.0020, 81.7433

Protanomaly

87.7864, 92.6078, 84.4824

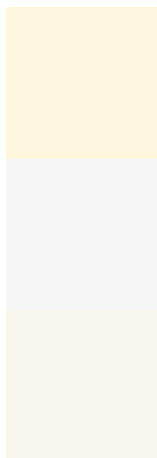
Deuteranomaly

89.0471, 93.1120, 91.1210

Tritanomaly

90.0701, 93.0359, 98.0045

Monochromacy



Original Color

87.5519, 93.0020, 81.7433

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3088, 92.1657, 93.3089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5519, 93.0020, 81.7433 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(255, 247, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 221)  
}
```

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(255, 247, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 221) }
```

Border

The CSS property to change the border of an element to XYZ 87.5519, 93.0020, 81.7433 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(255, 247, 221) }
```


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

```
.border{ border-color:rgb(255, 247, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5519, 93.0020, 81.7433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 221) }
```

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

```
.background{ background-color: rgb(255,  
247, 221) }
```

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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