

Converting Colors

XYZ(98.1987, 97.4718, 84.9553)

Have a look what the booklet for
XYZ(98.1987, 97.4718, 84.9553)
contains.

XYZ(87.4830, 92.0011, 84.3813)	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(87.4830, 92.0011,
84.3813)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5E1
RGB	255, 245, 225
RGB Percent	100%, 96%, 88%
CMY	0.0000, 0.0392, 0.1176
CMYK	0.00, 0.04, 0.12, 0.00
HSL	40°, 100%, 94%
HSV	40°, 12%, 100%
XYZ	87.4830, 92.0011, 84.3813
YIQ	245.7100, 12.3800, -4.1000

Conversions

Conversions Part 2

Format	Color
R_{YB}	240, 255, 225
Decimal	16774625
CIE Lab	96.82, 0.07, 10.81
CIE LCh	97, 10.812, 89.620
Yxy	92.0011, 0.3315, 0.3487
Android (android.graphics.Color)	4294964705 (0xFFFFF5E1)
YUV	245.7100, -10.2100, 8.1473
Hunter-Lab	95.9172, -5.0510, 14.9828

Details

The XYZ color **87.4830, 92.0011, 84.3813** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.8090, 82.6419, 106.4056**, and the grayscale version is **87.4379, 91.9915, 100.1787**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7420, 51.3032, 45.3637** is the 20% darker color. If you saturate the color by 10%, you get **81.7500, 85.6926, 66.5705**, and if you desaturate by 10%, it is **93.8579, 98.7613, 104.9716**.

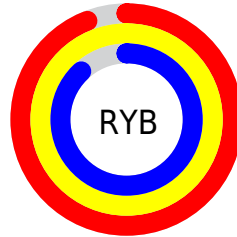
Distribution



Red (100%)

Green (96%)

Blue (88%)



Red (94%)

Yellow (100%)

Blue (88%)



Cyan (0%)

Magenta (4%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4830, 92.0011, 84.3813 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 87.4830, 92.0011, 84.3813 by changing the saturation by 10% instead.


 87.4830, 92.0011,
84.3813

 87.4830, 92.0011,
84.3813


508.1695,
534.5191, 529.6697

 66.2244, 69.6415,
62.7831

142.7334,
150.1149, 141.3749

 48.7229, 51.2344,
45.2259


177.4558,
186.6380, 177.6074

 34.6134, 36.3952,
31.2911

217.3969,
228.6510, 219.5550

 23.5303, 24.7395,
20.5603

262.9220,
276.5383, 267.6364

 15.1084, 15.8831,
12.6149

314.3964,
330.6844, 322.2700

 8.9823, 9.4415,
7.0363

372.1856,

 4.7867, 5.0302,

391.4736, 383.8744

3.4060

436.6548,
459.2904, 452.8681

■ 2.1561, 2.2650,
1.3055

■ 0.7195, 0.7551,
0.0663

■ 87.4830, 92.0011,
84.3813

■ 87.4830, 92.0011,
84.3813

■ 81.7500, 85.6926,
66.5705

■ 93.8579, 98.7613,
104.9716

■ 76.6280, 79.8117,
51.4118

■ 95.0500, 100.0000,
108.9000

■ 72.0927, 74.3493,
38.7768

■ 68.1159, 69.2914,
28.5240

■ 64.6664, 64.6229,
20.4975

■ 61.7094, 60.3272,
14.5231

■ 59.2053, 56.3856,
10.4000

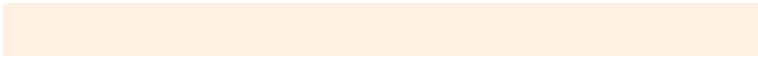
■ 57.1064, 52.7762,
7.8866

■ 55.6238, 50.0276,
6.7246

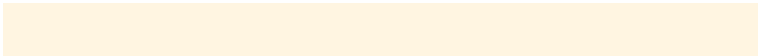
Harmonies

Analogous

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



90.4273, 92.0011, 86.4433



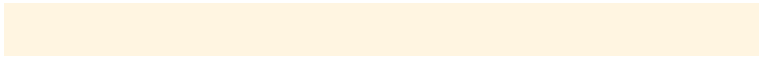
87.4830, 92.0011, 84.3813



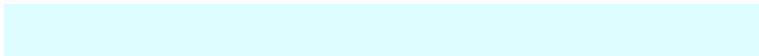
84.5932, 92.0011, 86.3429

Triad

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



87.4830, 92.0011, 84.3813



82.4713, 92.0011, 108.6582



92.5730, 92.0011, 108.8610

Complementary

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



87.4830, 92.0011, 84.3813



78.8090, 82.6419, 106.4056

Split Complementary

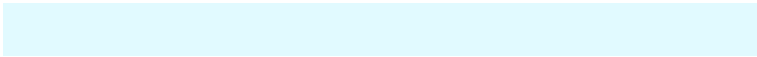
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3587, 92.0011, 115.4076



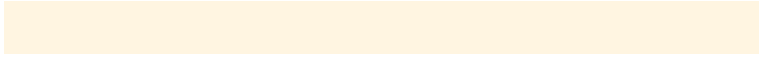
87.4830, 92.0011, 84.3813



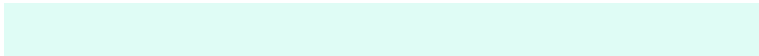
84.5276, 92.0011, 115.2858

Square

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



87.4830, 92.0011, 84.3813



81.7406, 92.0011, 100.0627



87.4056, 92.0011, 117.8226



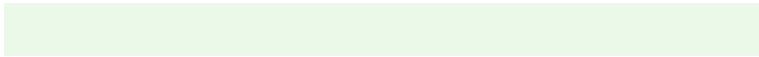
93.4073, 92.0011, 100.2845

Rectangle

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



87.4830, 92.0011, 84.3813



83.0761, 92.0011, 89.7369



87.4056, 92.0011, 117.8226



91.9629, 92.0011, 111.3896

Sweetspot

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



87.4852, 92.0050, 84.3833



92.3764, 97.2114, 100.1211



83.1613, 81.1097, 89.8708



19.6673, 20.6967, 21.0877



0.0000, 0.0000, 0.0000



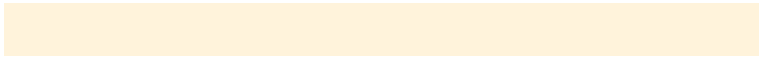
20.3446, 21.4041, 23.3091

Same Dimension

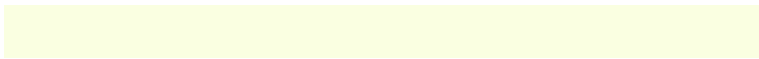
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4852, 92.0050, 84.3833



86.1483, 90.5554, 80.1635



88.7753, 97.2804, 85.3335



19.0215, 20.0112, 19.0043



29.2076, 26.4265, 3.5614



2.9444, 2.7741, 0.3803

Inverse Universe

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



78.8090, 82.6419, 106.4056



75.9838, 79.5867, 105.9647



77.6093, 77.8947, 105.5525



17.4974, 18.3664, 22.8728



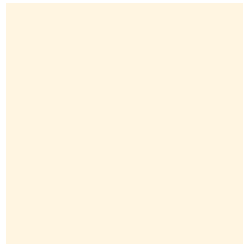
11.2488, 7.4072, 50.2714



1.1909, 0.9124, 4.9266

Previews

White Background



This preview shows how the XYZ color 87.4830, 92.0011, 84.3813 looks on a white background.

Color Contrast Check

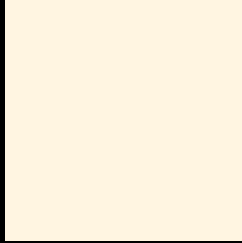
Large Text (above 18pt) WCAG AA × Fail

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 87.4830, 92.0011, 84.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

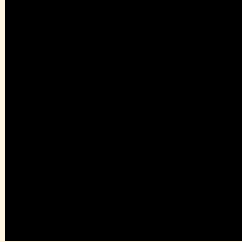
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4830, 92.0011, 84.3813

Background



This preview shows how black text looks on a background with the XYZ color 87.4830, 92.0011, 84.3813.



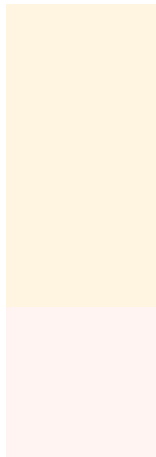
This preview shows how white text looks on a background with the XYZ color 87.4830, 92.0011,

84.3813.

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

87.4830, 92.0011, 84.3813

Protanopia

87.4830, 92.0011, 84.3813

Deuteranopia

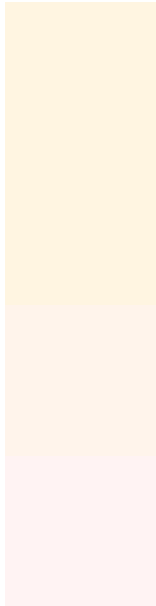
89.4679, 92.3122, 96.3217



Tritanopia

90.8815, 91.9200, 106.7183

Trichromacy



Original Color

87.4830, 92.0011, 84.3813

Protanomaly

87.4830, 92.0011, 84.3813

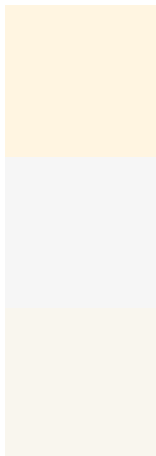
Deuteranomaly

88.5861, 91.9595, 91.6782

Tritanomaly

89.4683, 91.8322, 97.8039

Monochromacy



Original Color

87.4830, 92.0011, 84.3813

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.4553, 92.2243, 94.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4830, 92.0011, 84.3813 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, 245, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 225)  
}
```

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, 245, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 225) }
```

Border

The CSS property to change the border of an element to XYZ 87.4830, 92.0011, 84.3813 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, 245, 225) }
```


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

```
.border{ border-color:rgb(255, 245, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 245, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 245, 225); box-shadow:4px 4px 4px 4px rgb(255, 245, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4830, 92.0011, 84.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 225) }
```

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

```
.background{ background-color: rgb(255,  
245, 225) }
```

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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