

Converting Colors

XYZ(86.0825, 90.5015, 81.1524)

Have a look what the booklet for
XYZ(86.0825, 90.5015, 81.1524)
contains.

XYZ(85.9748, 90.3925, 81.3227)	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(85.9748, 90.3925,
81.3227)**

Conversions

Conversions Part 1

Format	Color
Hex	FEF3DD
RGB	254, 243, 221
RGB Percent	100%, 95%, 87%
CMY	0.0039, 0.0470, 0.1333
CMYK	0.00, 0.04, 0.13, 0.00
HSL	40°, 94%, 93%
HSV	40°, 13%, 100%
XYZ	85.9748, 90.3925, 81.3227
YIQ	243.7810, 13.6180, -4.5100

Conversions

Conversions Part 2

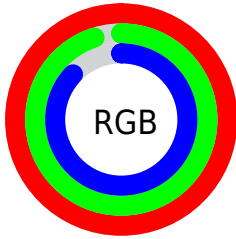
Format	Color
R _Y B	238, 254, 221
Decimal	16708573
CIE Lab	96.16, 0.11, 11.92
CIE LCh	96, 11.919, 89.464
Yxy	90.3925, 0.3336, 0.3508
Android (android.graphics.Color)	4294898653 (0xFFFEF3DD)
YUV	243.7810, -11.2310, 8.9621
Hunter-Lab	95.0750, -4.9665, 15.8386

Details

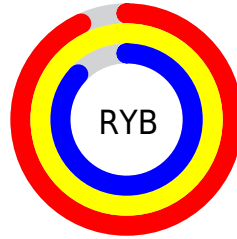
The XYZ color **85.9748, 90.3925, 81.3227** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.5645, 80.2395, 105.2192**, and the grayscale version is **85.8954, 90.3687, 98.4115**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6792, 50.1641, 43.2461** is the 20% darker color. If you saturate the color by 10%, you get **80.3697, 84.1939, 64.0023**, and if you desaturate by 10%, it is **92.2136, 97.0374, 101.3824**.

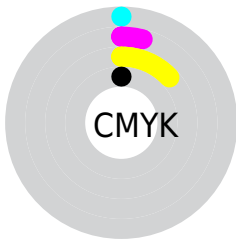
Distribution



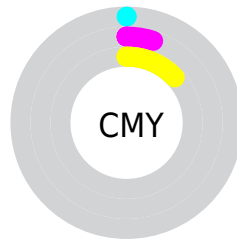
- Red (100%)
- Green (95%)
- Blue (87%)



- Red (93%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.9748, 90.3925, 81.3227 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 85.9748, 90.3925, 81.3227 by changing the saturation by 10% instead.


 85.9748, 90.3925,
81.3227

 85.9748, 90.3925,
81.3227


503.2833,
529.3068, 519.2032

 64.9723, 68.3062,
60.2749

140.6413,
147.8835, 137.0519

 47.7033, 50.1469,
43.2135

175.0361,
184.0570, 172.5704

 33.8022, 35.5301,
29.7200


214.6257,
225.6950, 213.7495

 22.9039, 24.0715,
19.3759


259.7755,
273.1819, 261.0077

 14.6428, 15.3867,
11.7627

310.8508,
326.9022, 314.7637

 8.6538, 9.0912,
6.4617

368.2169,

 4.5714, 4.8007,

387.2402, 375.4359

3.0545

432.2393,
454.5802, 443.4429

■ 2.0302, 2.1308,
1.1225

■ 0.6508, 0.6819,
0.0000

■ 85.9748, 90.3925,
81.3227

■ 85.9748, 90.3925,
81.3227

■ 80.3697, 84.1939,
64.0023

■ 92.2136, 97.0374,
101.3824

■ 75.3665, 78.4175,
49.2941

94.6834, 99.8110,
108.8828

■ 70.9413, 73.0540,
37.0697

■ 67.0658, 68.0895,
27.1873

■ 63.7088, 63.5090,
19.4906

■ 60.8352, 59.2957,
13.8044

■ 58.4051, 55.4309,
9.9258

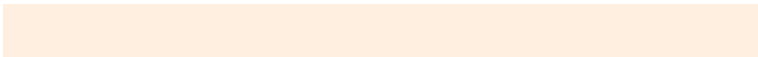
■ 56.3701, 51.8922,
7.6089

■ 55.1308, 49.5857,
6.6653

Harmonies

Analogous

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



89.1845, 90.3925, 83.5647



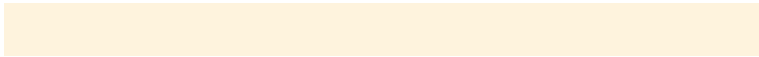
85.9748, 90.3925, 81.3227



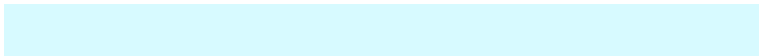
82.8275, 90.3925, 83.4122

Triad

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



85.9748, 90.3925, 81.3227



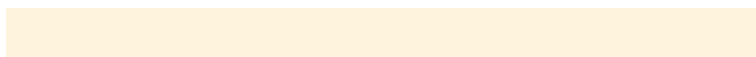
80.5007, 90.3925, 107.6477



91.5056, 90.3925, 107.9610

Complementary

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



85.9748, 90.3925, 81.3227



76.5645, 80.2395, 105.2192

Split Complementary

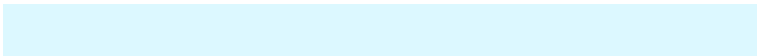
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0790, 90.3925, 115.1325



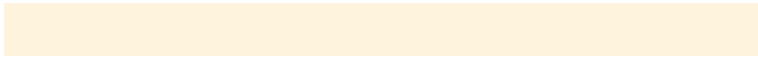
85.9748, 90.3925, 81.3227



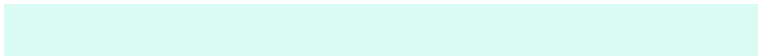
82.7271, 90.3925, 114.9437

Square

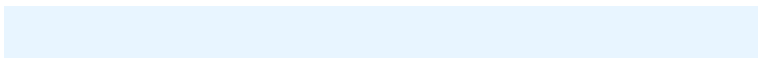
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9748, 90.3925, 81.3227



79.7165, 90.3925, 98.2520



85.8559, 90.3925, 117.7646



92.4275, 90.3925, 98.5924

Rectangle

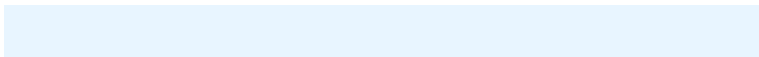
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9748, 90.3925, 81.3227



81.1759, 90.3925, 87.0618



85.8559, 90.3925, 117.7646



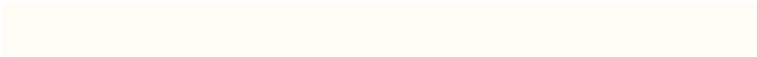
90.8358, 90.3925, 110.7299

Sweetspot

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



85.9773, 90.3965, 81.3246



92.3763, 97.2112, 100.1211



81.2960, 78.6111, 87.2338



19.6672, 20.6967, 21.0877



0.0000, 0.0000, 0.0000



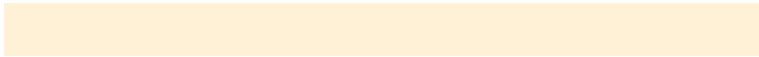
20.3446, 21.4041, 23.3091

Same Dimension

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



85.9773, 90.3965, 81.3246



84.9788, 89.2766, 76.5056



87.3828, 96.1530, 82.3617



19.0215, 20.0111, 19.0043



29.2067, 26.4245, 3.5611



2.9443, 2.7739, 0.3802

Inverse Universe

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



76.5645, 80.2395, 105.2192



73.5267, 76.9197, 105.5795



75.2680, 75.1196, 104.2992



17.4974, 18.3665, 22.8728



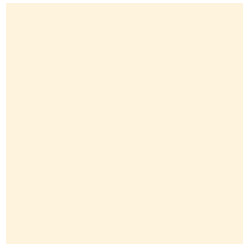
11.2492, 7.4080, 50.2716



1.1909, 0.9125, 4.9266

Previews

White Background



This preview shows how the XYZ color 85.9748, 90.3925, 81.3227 looks on a white background.

Color Contrast Check

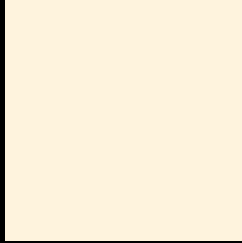
Large Text (above 18pt) WCAG AA × Fail

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 85.9748, 90.3925, 81.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

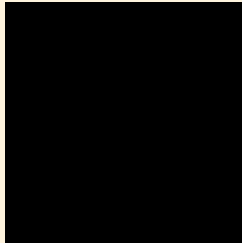
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.9748, 90.3925, 81.3227

Background



This preview shows how black text looks on a background with the XYZ color 85.9748, 90.3925, 81.3227.



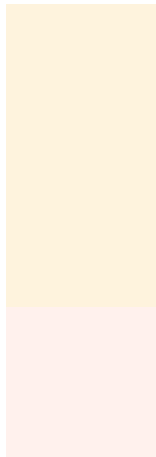
This preview shows how white text looks on a background with the XYZ color 85.9748, 90.3925,

81.3227.

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

85.9748, 90.3925, 81.3227

Protanopia

85.9748, 90.3925, 81.3227

Deuteranopia

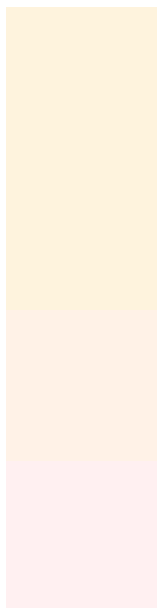
87.9814, 90.2850, 92.9104



Tritanopia

89.8361, 90.0849, 105.5817

Trichromacy



Original Color

85.9748, 90.3925, 81.3227

Protanomaly

85.9748, 90.3925, 81.3227

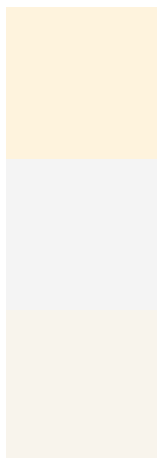
Deuteranomaly

87.4159, 90.5338, 88.4688

Tritanomaly

88.2773, 89.9311, 95.9248

Monochromacy



Original Color

85.9748, 90.3925, 81.3227

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.2024, 90.7140, 92.3231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9748, 90.3925, 81.3227 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(254, 243, 221)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 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(254, 243, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 221) }
```

Border

The CSS property to change the border of an element to XYZ 85.9748, 90.3925, 81.3227 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(254, 243, 221) }
```


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

```
.border{ border-color:rgb(254, 243, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 221);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9748, 90.3925, 81.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 221) }
```

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

```
.background{ background-color: rgb(254,  
243, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor