

Converting Colors

XYZ(86.7607, 93.6742, 74.5289)

Have a look what the booklet for
XYZ(86.7607, 93.6742, 74.5289)
contains.

XYZ(86.7485, 93.6645, 74.4797)	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(86.7485, 93.6645,
74.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9D2
RGB	255, 249, 210
RGB Percent	100%, 98%, 82%
CMY	0.0000, 0.0235, 0.1765
CMYK	0.00, 0.02, 0.18, 0.00
HSL	52°, 100%, 91%
HSV	52°, 18%, 100%
XYZ	86.7485, 93.6645, 74.4797
YIQ	246.3480, 16.0950, -10.8570

Conversions

Conversions Part 2

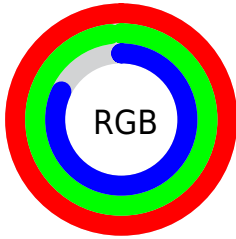
Format	Color
R_{YB}	217, 255, 210
Decimal	16775634
CIE _{Lab}	97.50, -4.21, 19.46
CIE _{LCh}	97, 19.913, 102.195
Yxy	93.6645, 0.3403, 0.3675
Android (android.graphics.Color)	4294965714 (0xFFFFF9D2)
YUV	246.3480, -17.9196, 7.5878
Hunter-Lab	96.7804, -9.3684, 22.1183

Details

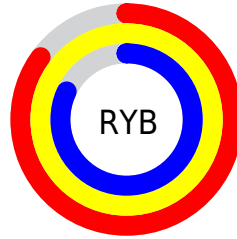
The XYZ color **86.7485, 93.6645, 74.4797** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.1837, 70.0315, 104.4788**, and the grayscale version is **88.0125, 92.5960, 100.8370**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2751, 52.5123, 38.6019** is the 20% darker color. If you saturate the color by 10%, you get **82.7817, 90.4162, 58.7128**, and if you desaturate by 10%, it is **91.2451, 97.1614, 92.9230**.

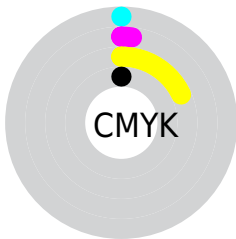
Distribution



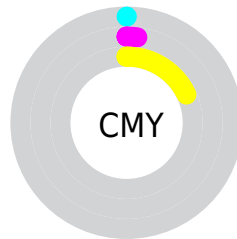
- Red (100%)
- Green (98%)
- Blue (82%)



- Red (85%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7485, 93.6645, 74.4797 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 86.7485, 93.6645, 74.4797 by changing the saturation by 10% instead.


 86.7485, 93.6645,
74.4797

 86.7485, 93.6645,
74.4797

505.7930,
539.8806, 495.3349

 65.6144, 71.0239,
54.6876

141.7150,
152.4183, 127.3159

 48.2260, 52.3617,
38.7547


176.2782,
189.3003, 161.1971

 34.2179, 37.2935,
26.2626


216.0484,
231.6982, 200.6116

 23.2247, 25.4348,
16.7927

261.3910,
279.9964, 245.9782

 14.8811, 16.4013,
9.9264

312.6715,
334.5794, 297.7153

 8.8218, 9.8086,
5.2452

370.2550,

 4.6813, 5.2722,

395.8315, 356.2414

2.3306

434.5071,
464.1371, 421.9751

■ 2.0943, 2.4079,
0.7483

■ 0.6861, 0.8299,
0.0000

■ 86.7485, 93.6645,
74.4797

■ 86.7485, 93.6645,
74.4797

■ 82.7817, 90.4162,
58.7128

■ 91.2451, 97.1614,
92.9230

■ 79.3138, 87.3946,
45.4904

95.0500, 100.0000,
108.9000

■ 76.3213, 84.5931,
34.6781

■ 73.7757, 82.0003,
26.1272

■ 71.6454, 79.6034,
19.6720

■ 69.8948, 77.3879,
15.1247

■ 68.4816, 75.3368,
12.2634

■ 67.3501, 73.4276,
10.7956

■ 67.1056, 72.9911,
10.5519

Harmonies

Analogous

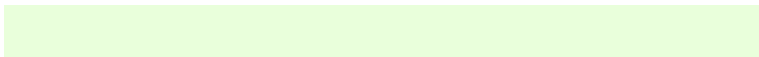
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3909, 93.6645, 75.1210



86.7485, 93.6645, 74.4797



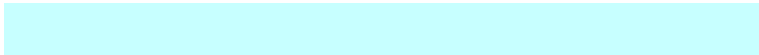
81.9214, 93.6645, 80.6140

Triad

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



86.7485, 93.6645, 74.4797



81.2118, 93.6645, 124.3581



99.7821, 93.6645, 111.8039

Complementary

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



86.7485, 93.6645, 74.4797



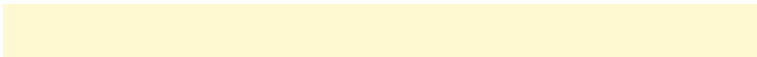
69.1837, 70.0315, 104.4788

Split Complementary

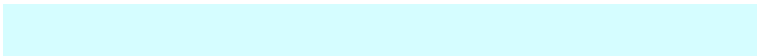
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5285, 93.6645, 126.8333



86.7485, 93.6645, 74.4797



85.7424, 93.6645, 134.5924

Square

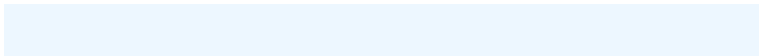
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7485, 93.6645, 74.4797



78.8166, 93.6645, 108.7041



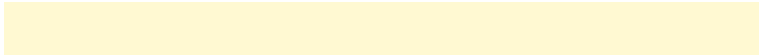
91.3416, 93.6645, 135.5434



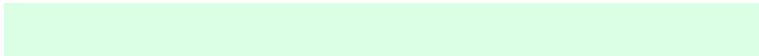
100.0795, 93.6645, 95.5481

Rectangle

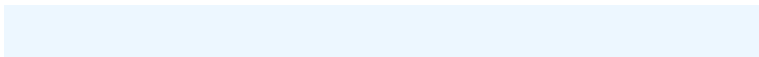
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7485, 93.6645, 74.4797



79.7514, 93.6645, 88.1404



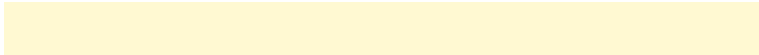
91.3416, 93.6645, 135.5434



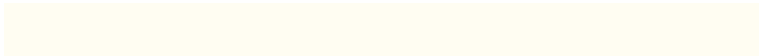
98.9917, 93.6645, 117.2077

Sweetspot

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



86.7508, 93.6685, 74.4817



92.5252, 98.1271, 98.2652



76.6820, 72.3122, 74.8830



19.7306, 20.9480, 20.7251



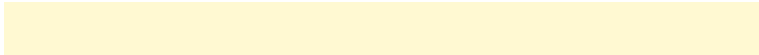
0.0000, 0.0000, 0.0000



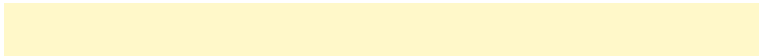
20.3446, 21.4041, 23.3091

Same Dimension

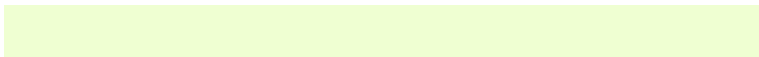
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7508, 93.6685, 74.4817



85.3622, 92.5515, 68.9014



82.8214, 94.4372, 74.8371



19.3427, 20.6536, 19.1114



35.1443, 38.2998, 5.5403



3.4766, 3.8386, 0.5577

Inverse Universe

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



69.1837, 70.0315, 104.4788



64.9568, 65.0964, 103.7490



72.6186, 69.5641, 104.2075



17.1980, 17.7677, 22.7730



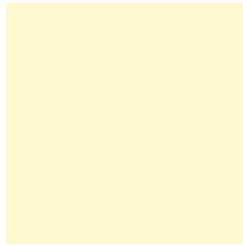
9.7894, 4.4883, 49.7850



1.0105, 0.5517, 4.8665

Previews

White Background



This preview shows how the XYZ color 86.7485, 93.6645, 74.4797 looks on a white background.

Color Contrast Check

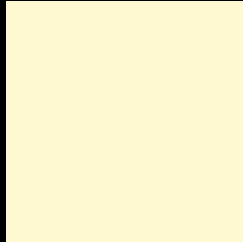
Large Text (above 18pt) WCAG AA × Fail

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 86.7485, 93.6645, 74.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

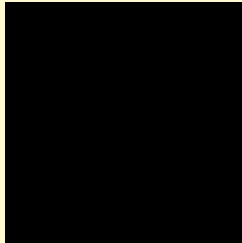
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7485, 93.6645, 74.4797

Background



This preview shows how black text looks on a background with the XYZ color 86.7485, 93.6645, 74.4797.



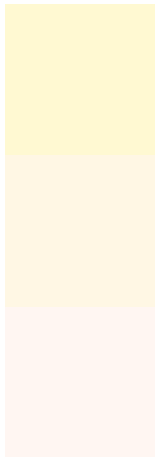
This preview shows how white text looks on a background with the XYZ color 86.7485, 93.6645,

74.4797.

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

86.7485, 93.6645, 74.4797

Protanopia

88.5044, 93.3830, 86.7588

Deuteranopia

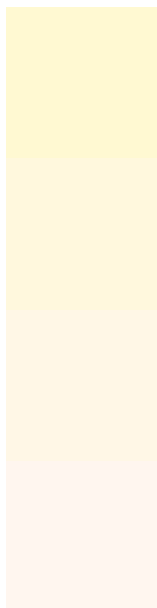
90.2228, 93.5823, 97.3123



Tritanopia

91.9424, 93.7848, 107.8641

Trichromacy



Original Color

86.7485, 93.6645, 74.4797

Protanomaly

87.8585, 93.6153, 81.8455

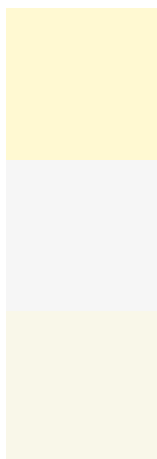
Deuteranomaly

88.7837, 93.4947, 88.2298

Tritanomaly

89.7758, 93.4035, 94.9583

Monochromacy



Original Color

86.7485, 93.6645, 74.4797

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.0357, 92.5445, 90.3664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7485, 93.6645, 74.4797 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, 249, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 210)  
}
```

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, 249, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 210) }
```

Border

The CSS property to change the border of an element to XYZ 86.7485, 93.6645, 74.4797 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, 249, 210) }
```


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

```
.border{ border-color:rgb(255, 249, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7485, 93.6645, 74.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 210) }
```

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

```
.background{ background-color: rgb(255,  
249, 210) }
```

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