

Converting Colors

XYZ(87.9436, 97.0907, 74.4918)

Have a look what the booklet for
XYZ(87.9436, 97.0907, 74.4918)
contains.

XYZ(87.7766, 97.0061, 74.4193)	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(87.7766, 97.0061,
74.4193)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>FDFFD1</code>
RGB	253, 255, 209
RGB Percent	99%, 100%, 82%
CMY	0.0078, 0.0000, 0.1804
CMYK	0.01, 0.00, 0.18, 0.00
HSL	63°, 100%, 91%
HSV	63°, 18%, 100%
XYZ	87.7766, 97.0061, 74.4193
YIQ	249.1580, 13.5740, -14.7300

Conversions

Conversions Part 2

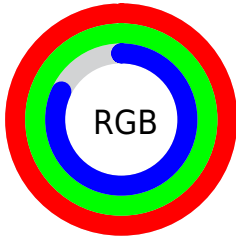
Format	Color
R _Y B	209, 255, 211
Decimal	16646097
CIE Lab	98.83, -8.05, 21.81
CIE LCh	99, 23.249, 110.253
Yxy	97.0061, 0.3386, 0.3742
Android (android.graphics.Color)	4294836177 (0xFFFDFFD1)
YUV	249.1580, -19.7979, 3.3694
Hunter-Lab	98.4917, -13.2797, 24.1453

Details

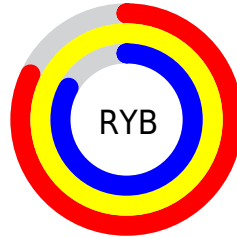
The XYZ color **87.7766, 97.0061, 74.4193** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.7154, 66.6710, 103.9076**, and the grayscale version is **90.3214, 95.0252, 103.4824**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7918, 54.4570, 38.5115** is the 20% darker color. If you saturate the color by 10%, you get **84.4655, 95.6352, 59.0819**, and if you desaturate by 10%, it is **91.5965, 98.5808, 92.4210**.

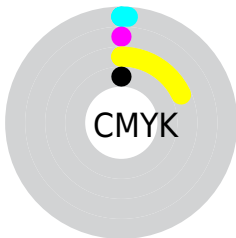
Distribution



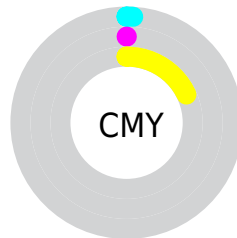
- Red (99%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (83%)



- Cyan (1%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7766, 97.0061, 74.4193 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 87.7766, 97.0061, 74.4193 by changing the saturation by 10% instead.


 87.7766, 97.0061,
74.4193

 87.7766, 97.0061,
74.4193

509.1177,
550.5675, 495.1213

 66.4682, 73.8058,
54.6384

143.1402,
157.0332, 127.2295

 48.9217, 54.6351,
38.7157


177.9262,
194.6288, 161.0960

 34.7717, 39.1096,
26.2325


217.9354,
237.7916, 200.4947

 23.6527, 26.8450,
16.7703

263.5332,
286.9060, 245.8442

 15.1996, 17.4569,
9.9106

315.0850,
342.3564, 297.5631

 9.0468, 10.5608,
5.2349

372.9561,

 4.8291, 5.7723,

404.5272, 356.0699

2.3246

437.5119,
473.8028, 421.7831

■ 2.1810, 2.7071,
0.7450

■ 0.7327, 0.9808,
0.0000

■ 87.7766, 97.0061,
74.4193

■ 87.7766, 97.0061,
74.4193

■ 84.4655, 95.6352,
59.0819

■ 91.5965, 98.5808,
92.4210

■ 81.6376, 94.4578,
46.2781

95.0500, 100.0000,
108.9000

■ 79.2674, 93.4638,
35.8728

■ 77.3267, 92.6418,
27.7166

■ 75.7838, 91.9793,
21.6432

■ 74.6029, 91.4618,
17.4635

■ 73.7414, 91.0723,
14.9543

■ 73.1420, 90.7879,
13.8125

■ 73.0391, 90.7381,
13.6646

Harmonies

Analogous

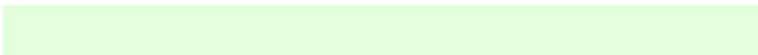
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4185, 97.0061, 73.0317



87.7766, 97.0061, 74.4193



82.5683, 97.0061, 83.5735

Triad

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



87.7766, 97.0061, 74.4193



84.1412, 97.0061, 136.8930



105.6080, 97.0061, 112.0485

Complementary

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



87.7766, 97.0061, 74.4193



67.7154, 66.6710, 103.9076

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.



102.5560, 97.0061, 131.2454



87.7766, 97.0061, 74.4193



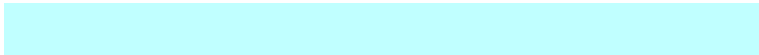
90.0193, 97.0061, 146.7028

Square

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



87.7766, 97.0061, 74.4193



80.5416, 97.0061, 119.0344



96.7724, 97.0061, 144.5185



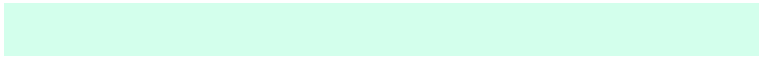
104.9354, 97.0061, 93.2591

Rectangle

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



87.7766, 97.0061, 74.4193



80.5058, 97.0061, 93.5437



96.7724, 97.0061, 144.5185



104.9782, 97.0061, 118.7001

Sweetspot

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



87.7771, 97.0063, 74.4207



92.8610, 99.1009, 98.4355



75.9279, 72.2215, 70.2613



19.8125, 21.1855, 20.7666



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

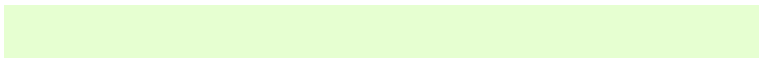
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7771, 97.0063, 74.4207



86.4057, 96.4393, 68.0326



80.0523, 93.0240, 74.0592



19.4786, 21.0481, 19.1804



38.1988, 47.4303, 7.1417



3.7425, 4.6301, 0.6964

Inverse Universe

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



67.7154, 66.6710, 103.9076



62.6289, 60.4853, 102.9817



74.6300, 70.2357, 104.2312



17.0760, 17.4154, 22.7115



9.5356, 3.8262, 49.6705



0.9530, 0.3852, 4.8374

Previews

White Background



This preview shows how the XYZ color 87.7766, 97.0061, 74.4193 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 87.7766, 97.0061, 74.4193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

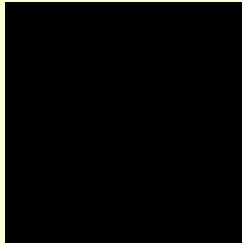
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7766, 97.0061, 74.4193

Background



This preview shows how black text looks on a background with the XYZ color 87.7766, 97.0061, 74.4193.

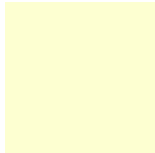


This preview shows how white text looks on a background with the XYZ color 87.7766, 97.0061,

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

87.7766, 97.0061, 74.4193

Protanopia

91.7642, 96.6652, 97.8262

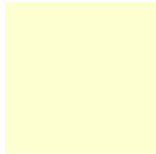
Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

93.4202, 97.2852, 108.4619

Trichromacy



Original Color

87.7766, 97.0061, 74.4193



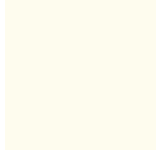
Protanomaly

89.9664, 96.4048, 88.7292



Deuteranomaly

90.5347, 96.6322, 91.7221



Tritanomaly

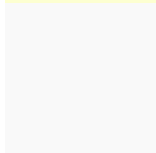
91.1161, 96.8647, 94.7833

Monochromacy



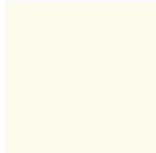
Original Color

87.7766, 97.0061, 74.4193



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.7728, 95.2589, 91.5499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7766, 97.0061, 74.4193 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(253, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 209)  
}
```

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(253, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 87.7766, 97.0061, 74.4193 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(253, 255, 209) }
```


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

```
.border{ border-color:rgb(253, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7766, 97.0061, 74.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 209) }
```

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

```
.background{ background-color: rgb(253,  
255, 209) }
```

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