

Converting Colors

XYZ(103.0301, 102.7803,
77.3769)

Have a look what the booklet for
XYZ(103.0301, 102.7803, 77.3769)
contains.

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Color

**XYZ(87.7474, 95.0585,
76.6741)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBD5
RGB	255, 251, 213
RGB Percent	100%, 98%, 84%
CMY	0.0000, 0.0157, 0.1647
CMYK	0.00, 0.02, 0.16, 0.00
HSL	54°, 100%, 92%
HSV	54°, 16%, 100%
XYZ	87.7474, 95.0585, 76.6741
YIQ	247.8640, 14.5820, -10.9700

Conversions

Conversions Part 2

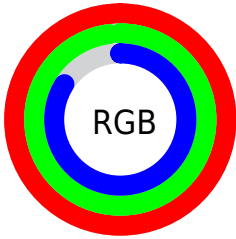
Format	Color
R _Y B	217, 255, 213
Decimal	16776149
CIE Lab	98.06, -4.77, 18.72
CIE LCh	98, 19.313, 104.290
Yxy	95.0585, 0.3382, 0.3663
Android (android.graphics.Color)	4294966229 (0xFFFFFBD5)
YUV	247.8640, -17.1880, 6.2583
Hunter-Lab	97.4979, -9.9728, 21.6219

Details

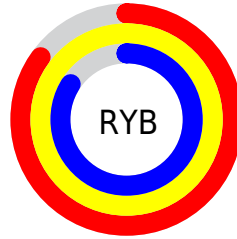
The XYZ color **87.7474, 95.0585, 76.6741** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.3028, 70.9898, 104.6048**, and the grayscale version is **89.2417, 93.8892, 102.2454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9754, 53.5046, 40.0939** is the 20% darker color. If you saturate the color by 10%, you get **84.0100, 92.3624, 60.6959**, and if you desaturate by 10%, it is **92.0081, 97.9857, 95.3399**.

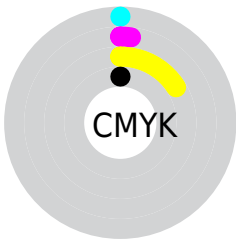
Distribution



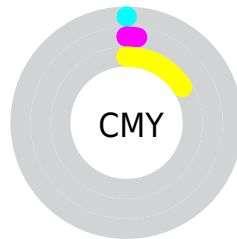
- Red (100%)
- Green (98%)
- Blue (84%)



- Red (85%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7474, 95.0585, 76.6741 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 87.7474, 95.0585, 76.6741 by changing the saturation by 10% instead.


 87.7474, 95.0585,
76.6741

 87.7474, 95.0585,
76.6741


509.0235,
544.3522, 503.0603

 66.4440, 72.1837,
56.4755


143.0998,
154.3454, 130.4481

 48.9019, 53.3087,
40.1777


177.8794,
191.5263, 164.8606

 34.7559, 38.0493,
27.3623


217.8819,
234.2446, 204.8482

 23.6405, 26.0209,
17.6107

263.4725,
282.8849, 250.8293

 15.1905, 16.8393,
10.5043

315.0166,
337.8313, 303.2225

 9.0404, 10.1200,
5.6246

372.8795,

 4.8248, 5.4786,

399.4685, 362.4464

2.5531

437.4267,
468.1806, 428.9195

■ 2.1786, 2.5307,
0.8681

■ 0.7314, 0.8920,
0.0000

■ 87.7474, 95.0585,
76.6741

■ 87.7474, 95.0585,
76.6741

■ 84.0100, 92.3624,
60.6959

■ 92.0081, 97.9857,
95.3399

■ 80.7653, 89.8757,
47.2743

95.0500, 100.0000,
108.9000

■ 77.9898, 87.5922,
36.2765

■ 75.6557, 85.5005,
27.5553

■ 73.7318, 83.5882,
20.9473

■ 72.1831, 81.8411,
16.2677

■ 70.9683, 80.2429,
13.2996

■ 70.0358, 78.7726,
11.7719

■ 69.7466, 78.2732,
11.4322

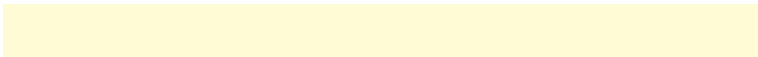
Harmonies

Analogous

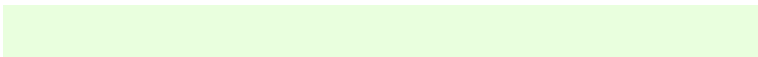
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2642, 95.0585, 76.8344



87.7474, 95.0585, 76.6741



83.1169, 95.0585, 83.1722

Triad

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



87.7474, 95.0585, 76.6741



82.9405, 95.0585, 126.2909



100.9931, 95.0585, 111.9813

Complementary

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



87.7474, 95.0585, 76.6741



70.3028, 70.9898, 104.6048

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.



97.9915, 95.0585, 126.9021



87.7474, 95.0585, 76.6741



87.4976, 95.0585, 135.7215

Square

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



87.7474, 95.0585, 76.6741



80.4195, 95.0585, 111.2136



93.0041, 95.0585, 135.9560



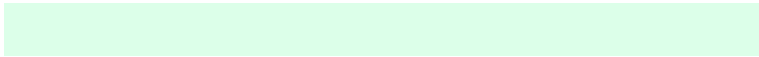
101.0667, 95.0585, 96.1564

Rectangle

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



87.7474, 95.0585, 76.6741



81.0919, 95.0585, 90.8288



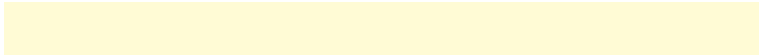
93.0041, 95.0585, 135.9560



100.2878, 95.0585, 117.3036

Sweetspot

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



87.7497, 95.0626, 76.6761



92.6790, 98.4347, 98.3165



77.5854, 73.8698, 75.9524



19.7682, 21.0230, 20.7376



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.



87.7497, 95.0626, 76.6761



86.3715, 94.0844, 70.7346



83.0978, 94.5361, 76.8197



19.4049, 20.7779, 19.1321



36.5047, 41.0206, 5.9938



3.5955, 4.0764, 0.5973

Inverse Universe

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



70.3028, 70.9898, 104.6048



65.7154, 65.5845, 103.8032



74.4141, 71.5996, 104.5058



17.1419, 17.6554, 22.7543



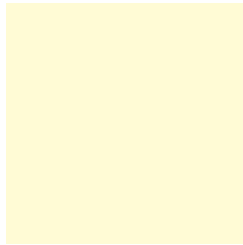
9.6508, 4.2113, 49.7388



0.9841, 0.4989, 4.8577

Previews

White Background



This preview shows how the XYZ color 87.7474, 95.0585, 76.6741 looks on a white background.

Color Contrast Check

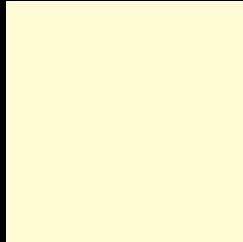
Large Text (above 18pt) WCAG AA × Fail

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 87.7474, 95.0585, 76.6741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

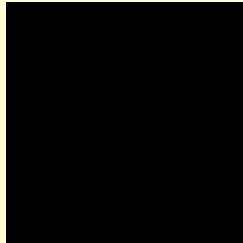
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7474, 95.0585, 76.6741

Background



This preview shows how black text looks on a background with the XYZ color 87.7474, 95.0585, 76.6741.



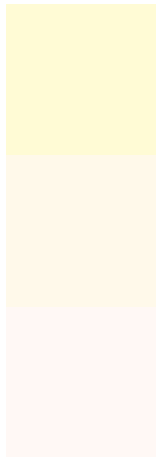
This preview shows how white text looks on a background with the XYZ color 87.7474, 95.0585,

76.6741.

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

87.7474, 95.0585, 76.6741

Protanopia

89.9670, 94.9519, 91.4277

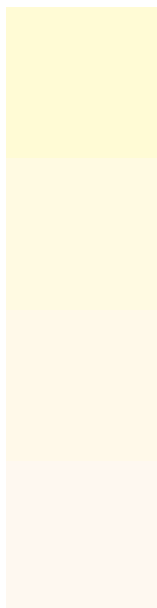
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

92.1838, 94.8124, 108.0497

Trichromacy



Original Color

87.7474, 95.0585, 76.6741

Protanomaly

89.1531, 95.1222, 85.6131

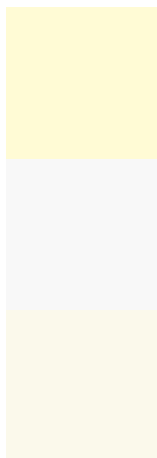
Deuteranomaly

89.8237, 94.8946, 90.6731

Tritanomaly

90.1686, 94.4969, 95.9254

Monochromacy



Original Color

87.7474, 95.0585, 76.6741

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.6547, 94.2588, 92.1184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7474, 95.0585, 76.6741 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, 251, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 213)  
}
```

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, 251, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 213) }
```

Border

The CSS property to change the border of an element to XYZ 87.7474, 95.0585, 76.6741 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, 251, 213) }
```


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

```
.border{ border-color:rgb(255, 251, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7474, 95.0585, 76.6741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 213) }
```

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

```
.background{ background-color: rgb(255,  
251, 213) }
```

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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