

Converting Colors

XYZ(88.2421, 94.3683, 77.2524)

Have a look what the booklet for
XYZ(88.2421, 94.3683, 77.2524)
contains.

XYZ(87.2533, 93.8664, 77.1376)	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(87.2533, 93.8664,
77.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9D6
RGB	255, 249, 214
RGB Percent	100%, 98%, 84%
CMY	0.0000, 0.0235, 0.1608
CMYK	0.00, 0.02, 0.16, 0.00
HSL	51°, 100%, 92%
HSV	51°, 16%, 100%
XYZ	87.2533, 93.8664, 77.1376
YIQ	246.8040, 14.8110, -9.6130

Conversions

Conversions Part 2

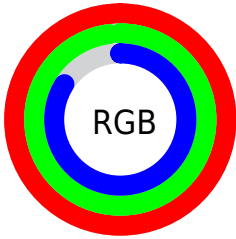
Format	Color
R_{YB}	221, 255, 214
Decimal	16775638
CIE Lab	97.58, -3.62, 17.53
CIE LCh	98, 17.902, 101.663
Yxy	93.8664, 0.3379, 0.3635
Android (android.graphics.Color)	4294965718 (0xFFFFF9D6)
YUV	246.8040, -16.1724, 7.1879
Hunter-Lab	96.8847, -8.7930, 20.6138

Details

The XYZ color **87.2533, 93.8664, 77.1376** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.3742, 72.7006, 104.8785**, and the grayscale version is **88.3696, 92.9717, 101.2462**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6167, 52.6489, 40.4008** is the 20% darker color. If you saturate the color by 10%, you get **83.1080, 90.3859, 60.9271**, and if you desaturate by 10%, it is **91.9357, 97.6046, 96.0447**.

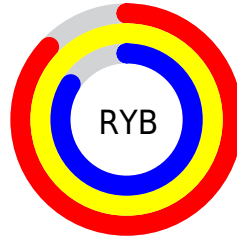
Distribution



Red (100%)

Green (98%)

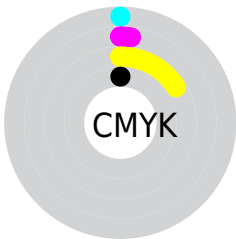
Blue (84%)



Red (87%)

Yellow (100%)

Blue (84%)

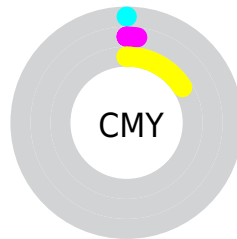


Cyan (0%)

Magenta (2%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (2%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.2533, 93.8664, 77.1376 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 87.2533, 93.8664, 77.1376 by changing the saturation by 10% instead.


 87.2533, 93.8664,
77.1376

 87.2533, 93.8664,
77.1376


507.4269,
540.5295, 504.6832

 66.0336, 71.1918,
56.8536


142.4150,
152.6976, 131.1085

 48.5675, 52.4988,
40.4791


177.0877,
189.6230, 165.6324

 34.4896, 37.4028,
27.5957


216.9754,
232.0674, 205.7401

 23.4347, 25.5195,
17.7847

262.4435,
280.4153, 251.8500

 15.0372, 16.4645,
10.6277

313.8574,
335.0511, 304.3808

 8.9320, 9.8535,
5.7061

371.5823,

 4.7536, 5.3019,

396.3591, 363.7508

2.6013

435.9837,
464.7238, 430.3788

■ 2.1367, 2.4255,
0.8931

■ 0.7091, 0.8389,
0.0000

■ 87.2533, 93.8664,
77.1376

■ 87.2533, 93.8664,
77.1376

■ 83.1080, 90.3859,
60.9271

■ 91.9357, 97.6046,
96.0447

■ 79.4695, 87.1413,
47.2827

95.0500, 100.0000,
108.9000

■ 76.3143, 84.1263,
36.0719

■ 73.6144, 81.3293,
27.1480

■ 71.3389, 78.7378,
20.3485

■ 69.4526, 76.3375,
15.4892

■ 67.9146, 74.1118,
12.3550

■ 66.6739, 72.0402,
10.6783

■ 66.2389, 71.2578,
10.2630

Harmonies

Analogous

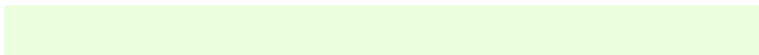
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3319, 93.8664, 77.8399



87.2533, 93.8664, 77.1376



82.8680, 93.8664, 82.6617

Triad

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



87.2533, 93.8664, 77.1376



82.1033, 93.8664, 121.9926



98.8337, 93.8664, 111.2792

Complementary

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



87.2533, 93.8664, 77.1376



71.3742, 72.7006, 104.8785

Split Complementary

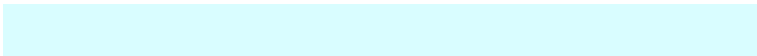
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8827, 93.8664, 124.6077



87.2533, 93.8664, 77.1376



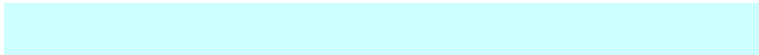
86.1733, 93.8664, 131.1868

Square

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



87.2533, 93.8664, 77.1376



79.9712, 93.8664, 107.9761



91.2103, 93.8664, 132.1870



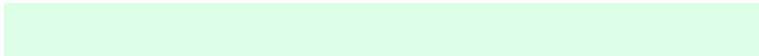
99.1498, 93.8664, 96.6424

Rectangle

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



87.2533, 93.8664, 77.1376



80.8770, 93.8664, 89.4687



91.2103, 93.8664, 132.1870



98.1119, 93.8664, 116.0950

Sweetspot

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



87.2555, 93.8704, 77.1396



92.4728, 98.0223, 98.2478



78.2254, 74.5295, 78.0782



19.7179, 20.9224, 20.7208



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

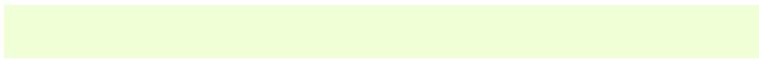
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2555, 93.8704, 77.1396



85.9894, 92.8267, 72.1287



84.0543, 95.0145, 77.5291



19.3216, 20.6114, 19.1044



34.6976, 37.4064, 5.3914



3.4374, 3.7602, 0.5446

Inverse Universe

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



71.3742, 72.7006, 104.8785



67.6104, 68.3283, 104.2330



74.2035, 71.8656, 104.5682



17.2172, 17.8061, 22.7794



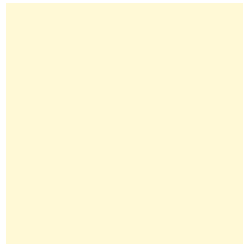
9.8458, 4.6012, 49.8038



1.0195, 0.5696, 4.8695

Previews

White Background



This preview shows how the XYZ color 87.2533, 93.8664, 77.1376 looks on a white background.

Color Contrast Check

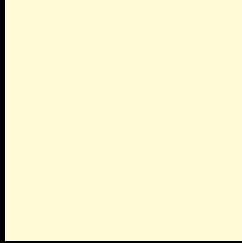
Large Text (above 18pt) WCAG AA × Fail

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 87.2533, 93.8664, 77.1376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

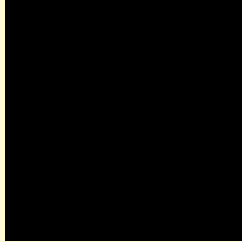
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.2533, 93.8664, 77.1376

Background



This preview shows how black text looks on a background with the XYZ color 87.2533, 93.8664, 77.1376.

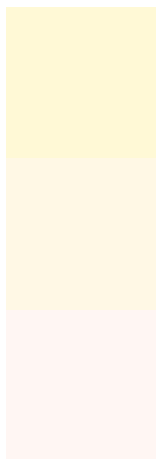


This preview shows how white text looks on a background with the XYZ color 87.2533, 93.8664,

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

87.2533, 93.8664, 77.1376

Protanopia

88.9503, 94.0519, 87.5944

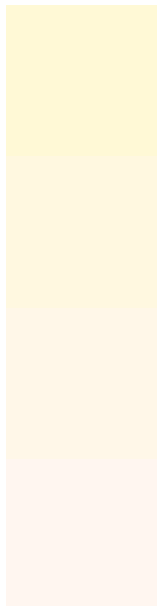
Deuteranopia

90.3734, 93.6426, 98.1057

Tritanopia

91.9424, 93.7848, 107.8641

Trichromacy



Original Color

87.2533, 93.8664, 77.1376

Protanomaly

88.2619, 93.7766, 83.9698

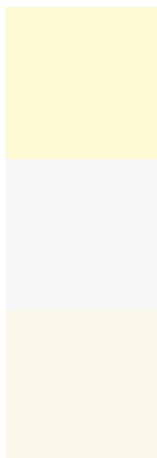
Deuteranomaly

89.0663, 93.6077, 89.7177

Tritanomaly

89.9239, 93.4628, 95.7387

Monochromacy



Original Color

87.2533, 93.8664, 77.1376

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.9871, 93.4570, 91.9988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2533, 93.8664, 77.1376 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 214) }
```

Border

The CSS property to change the border of an element to XYZ 87.2533, 93.8664, 77.1376 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, 214) }
```


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

```
.border{ border-color:rgb(255, 249, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2533, 93.8664, 77.1376 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
249, 214) }
```

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