

# Converting Colors

XYZ(106.6901, 100.0000,  
77.3813)

Have a look what the booklet for  
XYZ(106.6901, 100.0000, 77.3813)  
contains.

<b>XYZ(84.5377, 88.4352, 76.2324)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.5377, 88.4352,  
76.2324)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF0D6
RGB	255, 240, 214
RGB Percent	100%, 94%, 84%
CMY	0.0000, 0.0588, 0.1608
CMYK	0.00, 0.06, 0.16, 0.00
HSL	38°, 100%, 92%
HSV	38°, 16%, 100%
XYZ	84.5377, 88.4352, 76.2324
YIQ	241.5210, 17.2860, -4.9060

# Conversions

## Conversions Part 2

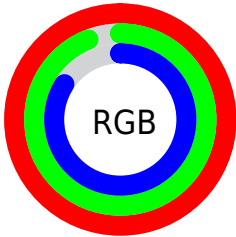
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 255, 214
Decimal	16773334
CIE Lab	95.34, 0.92, 14.38
CIE LCh	95, 14.410, 86.352
Yxy	88.4352, 0.3392, 0.3549
Android (android.graphics.Color)	4294963414 (0xFFFFF0D6)
YUV	241.5210, -13.5679, 11.8211
Hunter-Lab	94.0400, -4.1066, 17.7653

# Details

The XYZ color **84.5377, 88.4352, 76.2324** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.8002, 77.5526, 105.6872**, and the grayscale version is **84.1156, 88.4962, 96.3723**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6872, 48.7899, 39.7576** is the 20% darker color. If you saturate the color by 10%, you get **78.8578, 81.8856, 59.5103**, and if you desaturate by 10%, it is **90.8727, 95.4785, 95.6903**.

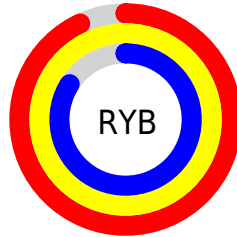
# Distribution



Red (100%)

Green (94%)

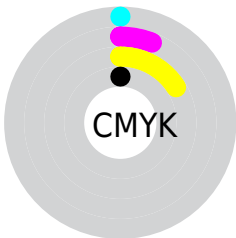
Blue (84%)



Red (93%)

Yellow (100%)

Blue (84%)

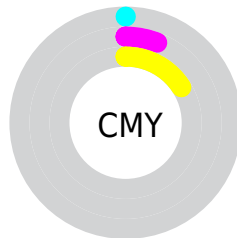


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5377, 88.4352, 76.2324 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 84.5377, 88.4352, 76.2324 by changing the saturation by 10% instead.




 84.5377, 88.4352,  
76.2324

 84.5377, 88.4352,  
76.2324


498.6038,  
522.9274, 501.5109

 63.7807, 66.6835,  
56.1153


138.6445,  
145.1629, 129.8185

 46.7341, 48.8275,  
39.8908


172.7249,  
180.9077, 164.1245

 33.0325, 34.4827,  
27.1402


211.9772,  
222.0857, 203.9973

 22.3107, 23.2646,  
17.4452

256.7667,  
269.0813, 249.8553

 14.2033, 14.7890,  
10.3871

307.4587,  
322.2789, 302.1171

 8.3448, 8.6715,  
5.5474

364.4187,

 4.3700, 4.5275,

382.0628, 361.2013

2.5076

428.0120,  
448.8175, 427.5264

■ 1.9135, 1.9728,  
0.8442

■ 0.5847, 0.5916,  
0.0000

■ 84.5377, 88.4352,  
76.2324

■ 84.5377, 88.4352,  
76.2324

■ 78.8578, 81.8856,  
59.5103

■ 90.8727, 95.4785,  
95.6903

■ 73.8012, 75.8047,  
45.3932

95.0500, 100.0000,  
108.9000

■ 69.3421, 70.1819,  
33.7478

■ 65.4506, 65.0016,  
24.4267

■ 62.0934, 60.2469,  
17.2666

■ 59.2335, 55.8992,  
12.0828

■ 56.8275, 51.9375,  
8.6593

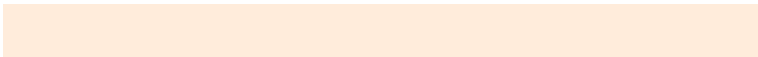
■ 54.8221, 48.3366,  
6.7277

■ 54.1149, 47.0097,  
6.2216

# Harmonies

## Analogous

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



88.3203, 88.4352, 79.3452



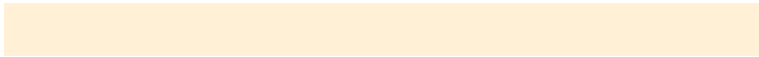
84.5377, 88.4352, 76.2324



80.7390, 88.4352, 78.1387

# Triad

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



84.5377, 88.4352, 76.2324



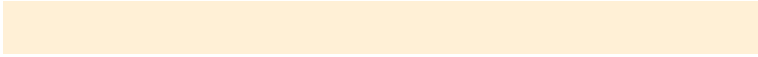
77.4516, 88.4352, 106.2397



90.5164, 88.4352, 108.8119

# Complementary

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



84.5377, 88.4352, 76.2324



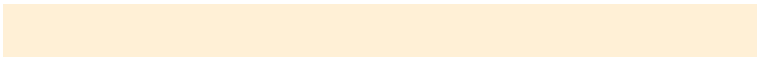
73.8002, 77.5526, 105.6872

# Split Complementary

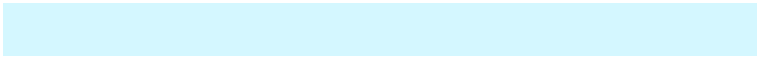
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4606, 88.4352, 117.0568



84.5377, 88.4352, 76.2324



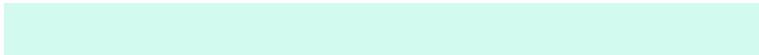
79.9293, 88.4352, 115.4922

# Square

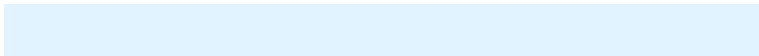
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5377, 88.4352, 76.2324



76.7234, 88.4352, 94.9177



83.5741, 88.4352, 119.5913



91.8394, 88.4352, 97.6773

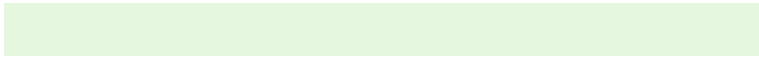


# Rectangle

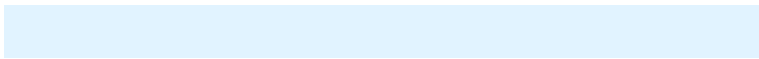
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5377, 88.4352, 76.2324



78.6948, 88.4352, 82.0867



83.5741, 88.4352, 119.5913



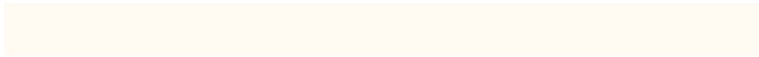
89.6532, 88.4352, 112.0459

# Sweetspot

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



84.5397, 88.4390, 76.2343



91.5950, 96.2667, 97.9552



79.4347, 75.0131, 84.4463



19.5041, 20.4949, 20.6495



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

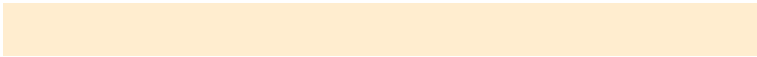


# Same Dimension

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



84.5397, 88.4390, 76.2343



82.8131, 86.4742, 71.0699



87.1552, 96.6131, 77.6742



18.9700, 19.9081, 18.9872



28.4234, 24.8581, 3.3000

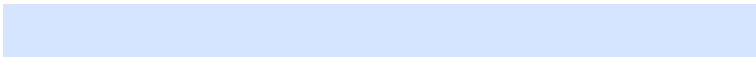


2.8717, 2.6287, 0.3560



# Inverse Universe

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



73.8002, 77.5526, 105.6872



70.3846, 73.8767, 105.1577



71.4515, 70.4469, 104.4394



17.5469, 18.4654, 22.8893



11.6182, 8.1459, 50.3946

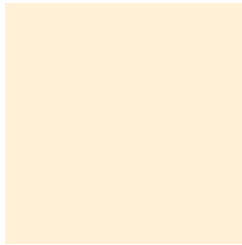


1.2310, 0.9927, 4.9400



# Previews

## White Background



This preview shows how the XYZ color 84.5377, 88.4352, 76.2324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

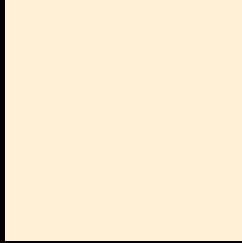
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5377, 88.4352, 76.2324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

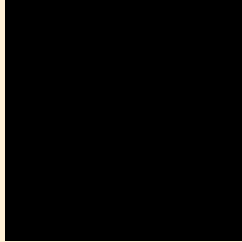
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.5377, 88.4352, 76.2324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5377, 88.4352, 76.2324.



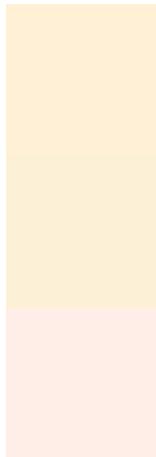
This preview shows how white text looks on a background with the XYZ color 84.5377, 88.4352,



# 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

84.5377, 88.4352, 76.2324

### Protanopia

83.7378, 88.4611, 76.2796

### Deuteranopia

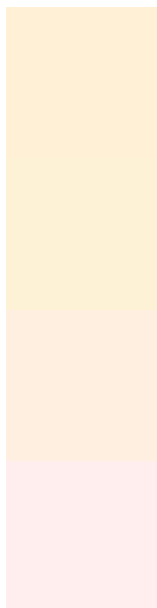
86.3800, 88.2353, 88.8223



## **Tritanopia**

88.7795, 88.7305, 102.8900

# Trichromacy



## Original Color

84.5377, 88.4352, 76.2324

## Protanomaly

84.1009, 88.6483, 76.2966

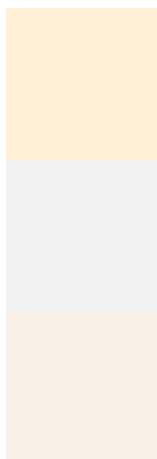
## Deuteranomaly

85.6971, 88.4292, 83.7860

## Tritanomaly

87.1006, 88.5235, 92.6168

# Monochromacy



## Original Color

84.5377, 88.4352, 76.2324

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.3786, 88.5109, 88.9810

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5377, 88.4352, 76.2324 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, 240, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5377, 88.4352, 76.2324 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, 240, 214) }
```



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

```
.border{ border-color:rgb(255, 240, 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, 240, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5377, 88.4352, 76.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 214) }
```

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

```
.background{ background-color: rgb(255,  
240, 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