

# Converting Colors

XYZ(77.2792, 76.9527, 64.4580)

Have a look what the booklet for  
XYZ(77.2792, 76.9527, 64.4580)  
contains.

<b>XYZ(77.2895, 77.0501, 64.2246)</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(77.2895, 77.0501,  
64.2246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDC6
RGB	255, 221, 198
RGB Percent	100%, 87%, 78%
CMY	0.0000, 0.1333, 0.2235
CMYK	0.00, 0.13, 0.22, 0.00
HSL	24°, 100%, 89%
HSV	24°, 22%, 100%
XYZ	77.2895, 77.0501, 64.2246
YIQ	228.5440, 27.6470, 0.0550

# Conversions

## Conversions Part 2

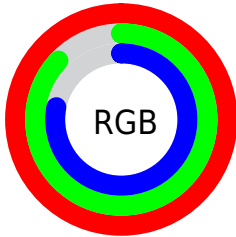
Format	Color
R <sub>Y</sub> B	255, 237, 198
Decimal	16768454
CIE Lab	90.34, 8.31, 15.62
CIE LCh	90, 17.696, 61.991
Yxy	77.0501, 0.3536, 0.3525
Android (android.graphics.Color)	4294958534 (0xFFFFDDC6)
YUV	228.5440, -15.0582, 23.2019
Hunter-Lab	87.7782, 3.5591, 18.0641

# Details

The XYZ color **77.2895, 77.0501, 64.2246** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.1945, 76.9366, 105.7584**, and the grayscale version is **74.2356, 78.1016, 85.0527**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9590, 41.2918, 32.1442** is the 20% darker color. If you saturate the color by 10%, you get **70.7574, 68.3033, 48.7373**, and if you desaturate by 10%, it is **84.6843, 86.7293, 82.4443**.

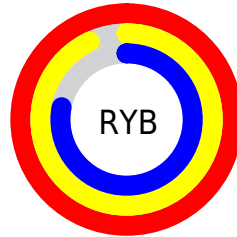
# Distribution



Red (100%)

Green (87%)

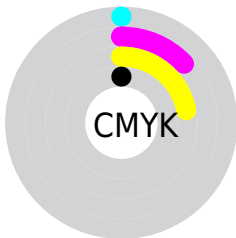
Blue (78%)



Red (100%)

Yellow (93%)

Blue (78%)

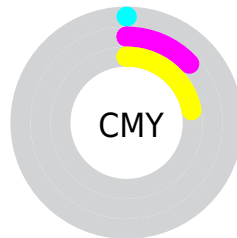


Cyan (0%)

Magenta (13%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2895, 77.0501, 64.2246 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 77.2895, 77.0501, 64.2246 by changing the saturation by 10% instead.



77.2895, 77.0501,  
64.2246

77.2895, 77.0501,  
64.2246

474.6273,  
484.9348, 458.2300

57.7913, 57.2940,  
46.3853

128.5187,  
129.2102, 112.5369

41.8835, 41.2413,  
32.1991

160.9804,  
162.3830, 143.8470

29.2008, 28.5077,  
21.2475

198.4940,  
200.7968, 180.4843

19.3778, 18.7087,  
13.1121

241.4248,  
244.8360, 222.8676

12.0492, 11.4600,  
7.3741

290.1382,  
294.8850, 271.4152

6.8496, 6.3771,  
3.6152

344.9995,

3.4137, 3.0757,

351.3282, 326.5458

1.4167

406.3741,  
414.5500, 388.6779

■ 1.3761, 1.1714,  
0.1547

■ 0.2391, 0.0382,  
0.0000

■ 77.2895, 77.0501,  
64.2246

■ 77.2895, 77.0501,  
64.2246

■ 70.7574, 68.3033,  
48.7373

■ 84.6843, 86.7293,  
82.4443

■ 65.0481, 60.4496,  
35.8440

■ 92.9685, 97.3583,  
103.5160

■ 60.1264, 53.4615,  
25.4010

■ 95.0500, 100.0000,  
108.9000

■ 55.9523, 47.3064,  
17.2488

■ 52.4815, 41.9487,  
11.2086

■ 49.6640, 37.3502,  
7.0745

■ 47.4413, 33.4676,  
4.5983

■ 46.0821, 30.9442,  
3.5440

# Harmonies

## Analogous

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



80.6654, 77.0501, 71.6727



77.2895, 77.0501, 64.2246



72.9396, 77.0501, 61.8849

# Triad

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



77.2895, 77.0501, 64.2246



65.0803, 77.0501, 84.7410



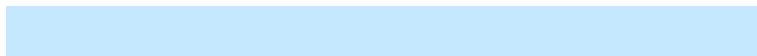
77.8197, 77.0501, 106.2283

# Complementary

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



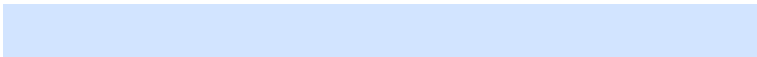
77.2895, 77.0501, 64.2246



70.1945, 76.9366, 105.7584

# 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.



73.5288, 77.0501, 110.5869



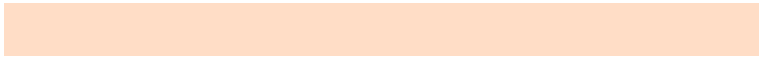
77.2895, 77.0501, 64.2246



66.2733, 77.0501, 97.4322

# Square

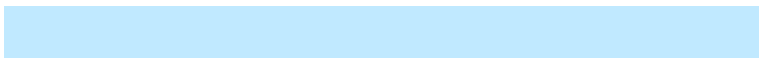
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2895, 77.0501, 64.2246



65.9981, 77.0501, 72.9965



69.3225, 77.0501, 107.2189



80.9800, 77.0501, 95.8264



# Rectangle

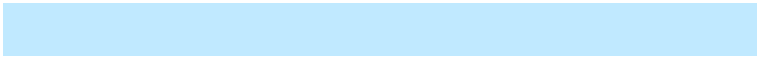
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2895, 77.0501, 64.2246



70.1036, 77.0501, 63.3268



69.3225, 77.0501, 107.2189



76.4559, 77.0501, 108.4933

# Sweetspot

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



77.2913, 77.0535, 64.2262



89.0054, 92.2980, 93.3599



76.0285, 67.4865, 85.5125



18.9437, 19.6182, 19.7105



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.



77.2913, 77.0535, 64.2262



74.1497, 72.8733, 56.6959



85.4018, 93.2744, 66.9297



18.6112, 19.1905, 18.8676



24.2159, 16.4430, 1.8975

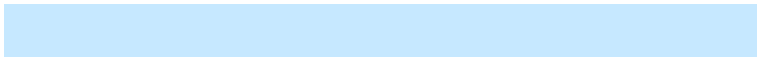


2.4616, 1.8085, 0.2193

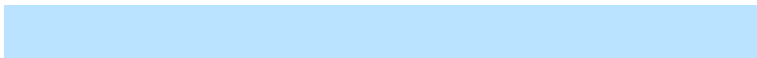


# Inverse Universe

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



70.1945, 76.9366, 105.7584



65.8633, 72.7322, 105.1751



62.8611, 62.2700, 103.3139



17.9039, 19.1795, 23.0083



15.4558, 15.8211, 51.6738

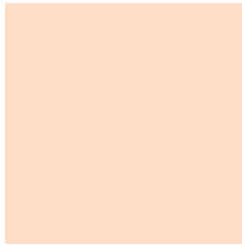


1.6121, 1.7549, 5.0670



# Previews

## White Background



This preview shows how the XYZ color 77.2895, 77.0501, 64.2246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

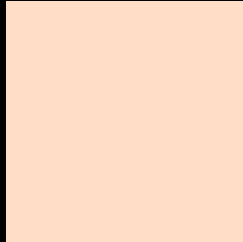
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2895, 77.0501, 64.2246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

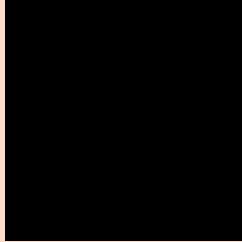
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.2895, 77.0501, 64.2246**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2895, 77.0501, 64.2246.



This preview shows how white text looks on a background with the XYZ color 77.2895, 77.0501,



# 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

77.2895, 77.0501, 64.2246

### Protanopia

73.2716, 77.3324, 66.3232

### Deuteranopia

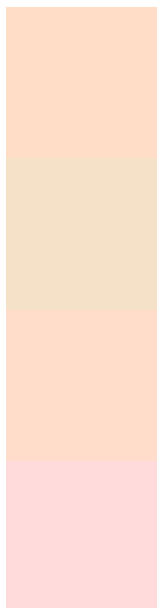
77.9955, 77.3325, 67.9426



## Tritanopia

80.8769, 77.2290, 86.9879

# Trichromacy



## Original Color

77.2895, 77.0501, 64.2246

## Protanomaly

74.6588, 77.2537, 65.6201

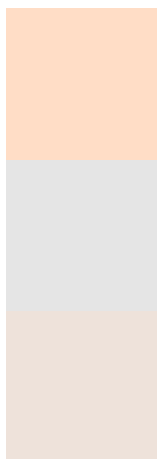
## Deuteranomaly

77.7571, 77.2372, 66.6871

## Tritanomaly

79.4898, 77.0903, 78.4005

# Monochromacy



## Original Color

77.2895, 77.0501, 64.2246

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.1111, 77.6318, 77.3553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2895, 77.0501, 64.2246 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, 221, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 198)  
}
```

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, 221, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2895, 77.0501, 64.2246 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, 221, 198) }
```



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

```
.border{ border-color:rgb(255, 221, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2895, 77.0501, 64.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 198) }
```

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

```
.background{ background-color: rgb(255,  
221, 198) }
```

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