

Converting Colors

XYZ(77.9103, 77.7237, 66.1829)

Have a look what the booklet for
XYZ(77.9103, 77.7237, 66.1829)
contains.

XYZ(77.9039, 77.7196, 66.1537)	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(77.9039, 77.7196,
66.1537)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEC9
RGB	255, 222, 201
RGB Percent	100%, 87%, 79%
CMY	0.0000, 0.1294, 0.2118
CMYK	0.00, 0.13, 0.21, 0.00
HSL	23°, 100%, 89%
HSV	23°, 21%, 100%
XYZ	77.9039, 77.7196, 66.1537
YIQ	229.4730, 26.4090, 0.4650

Conversions

Conversions Part 2

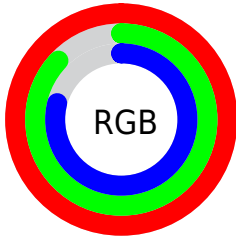
Format	Color
R _Y B	255, 235, 201
Decimal	16768713
CIE _{Lab}	90.65, 8.22, 14.49
CIE _{LCh}	91, 16.659, 60.435
Y _{xy}	77.7196, 0.3513, 0.3504
Android (android.graphics.Color)	4294958793 (0xFFFFDEC9)
YUV	229.4730, -14.0372, 22.3872
Hunter-Lab	88.1587, 3.4587, 17.2203

Details

The XYZ color **77.9039, 77.7196, 66.1537** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.5593, 78.4807, 105.9845**, and the grayscale version is **74.9128, 78.8141, 85.8285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3739, 41.7498, 33.4289** is the 20% darker color. If you saturate the color by 10%, you get **71.2011, 68.7226, 50.3283**, and if you desaturate by 10%, it is **85.4909, 87.6875, 84.7325**.

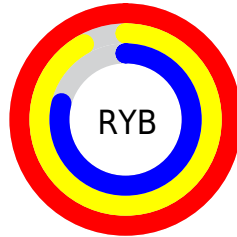
Distribution



Red (100%)

Green (87%)

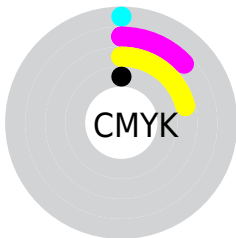
Blue (79%)



Red (100%)

Yellow (92%)

Blue (79%)

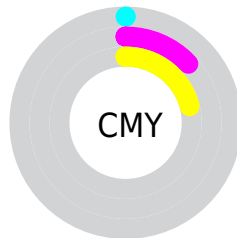


Cyan (0%)

Magenta (13%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9039, 77.7196, 66.1537 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 77.9039, 77.7196, 66.1537 by changing the saturation by 10% instead.

77.9039, 77.7196,
66.1537

77.9039, 77.7196,
66.1537

476.6852,
487.2140, 465.3456

58.2975, 57.8437,
47.9399

129.3807,
130.1548, 115.3360

42.2921, 41.6830,
33.4197

161.9819,
163.4828, 147.1416

29.5222, 28.8531,
22.1744

199.6454,
202.0637, 184.3149

19.6225, 18.9698,
13.7855

242.7366,
246.2817, 227.2744

12.2276, 11.6484,
7.8346

291.6208,
296.5214, 276.4387

6.9722, 6.5048,
3.9031

346.6634,

3.4909, 3.1544,

353.1671, 332.2263

1.5723

408.2298,
416.6032, 395.0557

■ 1.4183, 1.2128,
0.2709

■ 0.2692, 0.0722,
0.0000

■ 77.9039, 77.7196,
66.1537

■ 77.9039, 77.7196,
66.1537

■ 71.2011, 68.7226,
50.3283

■ 85.4909, 87.6875,
84.7325

■ 65.3421, 60.6559,
37.1187

■ 93.9893, 98.6450,
106.1835

■ 60.2913, 53.4907,
26.3826

95.0500, 100.0000,
108.9000

■ 56.0081, 47.1927,
17.9619

■ 52.4480, 41.7251,
11.6803

■ 49.5609, 37.0481,
7.3353

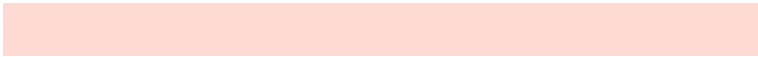
■ 47.2882, 33.1168,
4.6845

■ 45.7200, 30.2200,
3.4233

Harmonies

Analogous

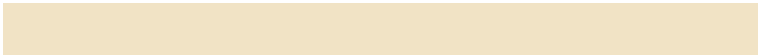
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0129, 77.7196, 73.4995



77.9039, 77.7196, 66.1537



73.8092, 77.7196, 63.6453

Triad

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



77.9039, 77.7196, 66.1537



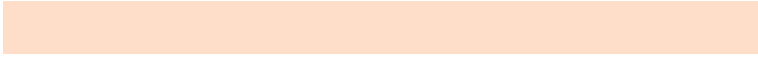
66.1272, 77.7196, 84.7980



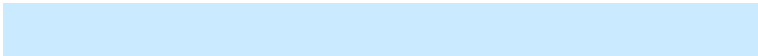
78.0133, 77.7196, 106.0429

Complementary

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



77.9039, 77.7196, 66.1537



71.5593, 78.4807, 105.9845

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.



73.9311, 77.7196, 109.7685



77.9039, 77.7196, 66.1537



67.1601, 77.7196, 96.8167

Square

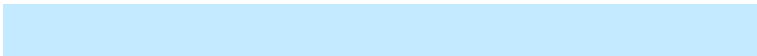
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9039, 77.7196, 66.1537



67.1029, 77.7196, 73.7749



69.9781, 77.7196, 106.2459



81.0777, 77.7196, 96.4865

Rectangle

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



77.9039, 77.7196, 66.1537



71.1016, 77.7196, 64.8493



69.9781, 77.7196, 106.2459



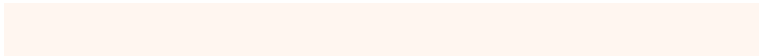
76.7096, 77.7196, 108.0569

Sweetspot

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



77.9057, 77.7230, 66.1553



89.7735, 93.2332, 95.4688



77.0215, 68.9919, 87.3258



19.0966, 19.8028, 20.1351



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.



77.9057, 77.7230, 66.1553



75.2396, 74.1689, 59.7851



85.5659, 93.0433, 68.7087



18.5888, 19.1458, 18.8601



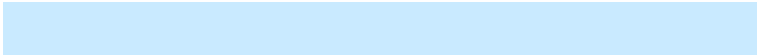
24.0239, 16.0591, 1.8335



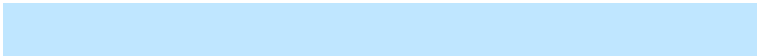
2.4415, 1.7683, 0.2126

Inverse Universe

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



71.5593, 78.4807, 105.9845



67.9519, 75.0350, 105.5095



64.5238, 64.4096, 103.6393



17.9269, 19.2254, 23.0160



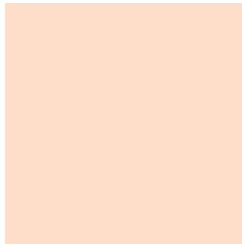
15.7761, 16.4617, 51.7805



1.6423, 1.8152, 5.0771

Previews

White Background



This preview shows how the XYZ color 77.9039, 77.7196, 66.1537 looks on a white background.

Color Contrast Check

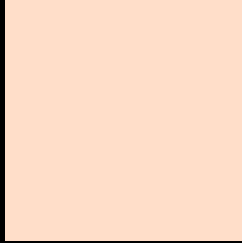
Large Text (above 18pt) WCAG AA × Fail

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 77.9039, 77.7196, 66.1537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

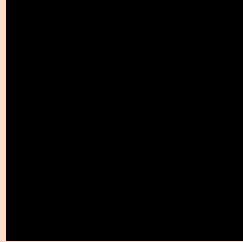
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9039, 77.7196, 66.1537

Background



This preview shows how black text looks on a background with the XYZ color 77.9039, 77.7196, 66.1537.

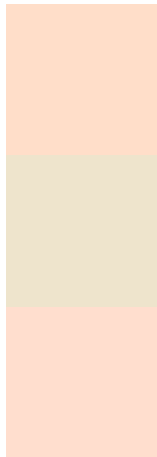


This preview shows how white text looks on a background with the XYZ color 77.9039, 77.7196,

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

77.9039, 77.7196, 66.1537

Protanopia

73.9024, 78.0236, 68.2917

Deuteranopia

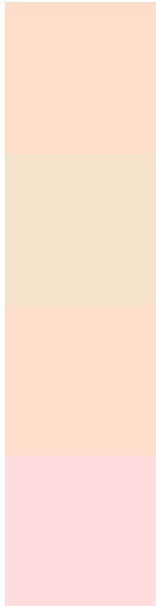
78.5019, 77.9588, 69.3026



Tritanopia

81.2795, 77.8062, 87.8250

Trichromacy



Original Color

77.9039, 77.7196, 66.1537

Protanomaly

75.2841, 77.9376, 67.5755

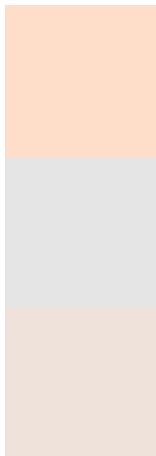
Deuteranomaly

78.2604, 77.8622, 68.0309

Tritanomaly

79.8843, 77.6669, 79.1875

Monochromacy



Original Color

77.9039, 77.7196, 66.1537

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.2424, 77.6843, 78.0467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9039, 77.7196, 66.1537 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, 222, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 201)  
}
```

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, 222, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 201) }
```

Border

The CSS property to change the border of an element to XYZ 77.9039, 77.7196, 66.1537 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, 222, 201) }
```


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

```
.border{ border-color:rgb(255, 222, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9039, 77.7196, 66.1537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 201) }
```

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

```
.background{ background-color: rgb(255,  
222, 201) }
```

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