

# Converting Colors

XYZ(78.1290, 79.0959, 63.3738)

Have a look what the booklet for  
XYZ(78.1290, 79.0959, 63.3738)  
contains.

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# Color

**XYZ(78.1290, 79.0959,  
63.3738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1C4
RGB	255, 225, 196
RGB Percent	100%, 88%, 77%
CMY	0.0000, 0.1176, 0.2314
CMYK	0.00, 0.12, 0.23, 0.00
HSL	29°, 100%, 88%
HSV	29°, 23%, 100%
XYZ	78.1290, 79.0959, 63.3738
YIQ	230.6640, 27.1890, -2.6590

# Conversions

## Conversions Part 2

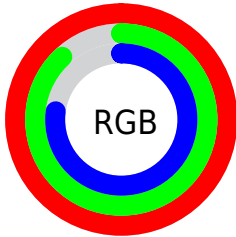
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 253, 196
Decimal	16769476
CIE Lab	91.28, 5.97, 17.98
CIE LCh	91, 18.942, 71.621
Yxy	79.0959, 0.3542, 0.3586
Android (android.graphics.Color)	4294959556 (0xFFFFE1C4)
YUV	230.6640, -17.0894, 21.3427
Hunter-Lab	88.9359, 1.1721, 20.0063

# Details

The XYZ color **78.1290, 79.0959, 63.3738** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.0106, 73.3464, 105.1805**, and the grayscale version is **75.8163, 79.7647, 86.8637**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **42.5459, 42.7082, 31.5923** is the 20% darker color. If you saturate the color by 10%, you get **72.0974, 71.2895, 48.2399**, and if you desaturate by 10%, it is **84.9239, 87.6389, 81.1977**.

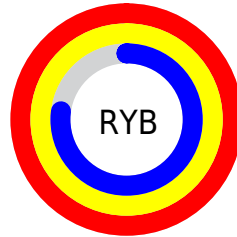
# Distribution



Red (100%)

Green (88%)

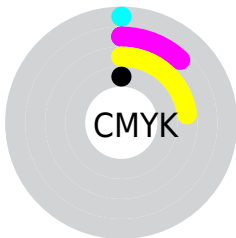
Blue (77%)



Red (100%)

Yellow (99%)

Blue (77%)

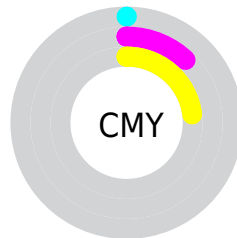


Cyan (0%)

Magenta (12%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1290, 79.0959, 63.3738 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 78.1290, 79.0959, 63.3738 by changing the saturation by 10% instead.




 78.1290, 79.0959,  
63.3738

 78.1290, 79.0959,  
63.3738


477.4379,  
491.8807, 455.0700

 58.4831, 58.9747,  
45.7007


129.6964,  
132.0939, 111.2994

 42.4419, 42.5927,  
31.6628


162.3485,  
165.7394, 142.3890

 29.6401, 29.5657,  
20.8414


200.0668,  
204.6618, 178.7879

 19.7123, 19.5092,  
12.8180

243.2167,  
249.2454, 220.9145

 12.2931, 12.0388,  
7.1741

292.1633,  
299.8748, 269.1876

 7.0173, 6.7701,  
3.4911

347.2722,

 3.5193, 3.3187,

356.9342, 324.0254

1.3505

408.9086,  
420.8080, 385.8468

■ 1.4340, 1.3003,  
0.1027

■ 0.2802, 0.1414,  
0.0000

■ 78.1290, 79.0959,  
63.3738

■ 78.1290, 79.0959,  
63.3738

■ 72.0974, 71.2895,  
48.2399

■ 84.9239, 87.6389,  
81.1977

■ 66.7925, 64.1874,  
35.6579

■ 92.5053, 96.9286,  
101.8307

■ 62.1831, 57.7702,  
25.4846

95.0500, 100.0000,  
108.9000

■ 58.2330, 52.0132,  
17.5605

■ 54.9020, 46.8900,  
11.7065

■ 52.1445, 42.3714,  
7.7159

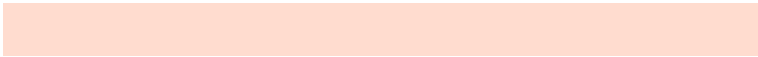
■ 49.9061, 38.4240,  
5.3374

■ 48.6195, 36.0190,  
4.3898

# Harmonies

## Analogous

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



82.2983, 79.0959, 69.7161



78.1290, 79.0959, 63.3738



73.3325, 79.0959, 62.7182

# Triad

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



78.1290, 79.0959, 63.3738



66.4872, 79.0959, 91.5626



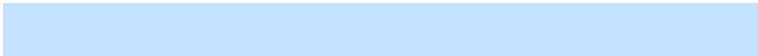
81.4831, 79.0959, 107.4543

# Complementary

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



78.1290, 79.0959, 63.3738



68.0106, 73.3464, 105.1805

# Split Complementary

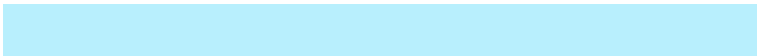
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0547, 79.0959, 114.7252



78.1290, 79.0959, 63.3738



68.4812, 79.0959, 104.9187

# Square

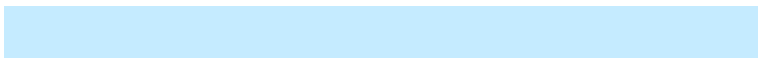
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1290, 79.0959, 63.3738



66.7472, 79.0959, 78.0460



72.3028, 79.0959, 113.7507

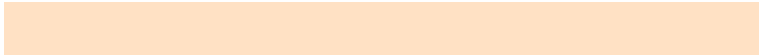


84.2910, 79.0959, 94.7367



# Rectangle

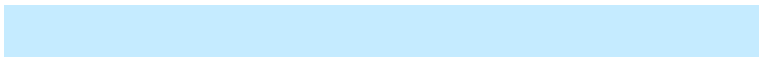
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1290, 79.0959, 63.3738



70.4377, 79.0959, 65.4990



72.3028, 79.0959, 113.7507



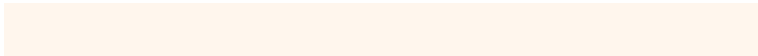
80.1269, 79.0959, 110.6746

# Sweetspot

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



78.1309, 79.0994, 63.3754



89.4810, 93.2493, 93.5185



74.7744, 66.2583, 81.1485



19.0538, 19.8384, 19.7472



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.



78.1309, 79.0994, 63.3754



75.1035, 75.2112, 55.6867



86.6511, 96.1398, 66.2155



18.7468, 19.4617, 18.9128



25.5534, 19.1180, 2.3433

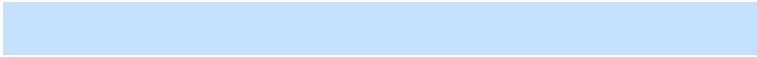


2.5971, 2.0795, 0.2645

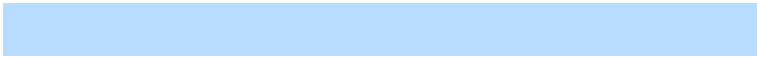


# Inverse Universe

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



68.0106, 73.3464, 105.1805



63.2881, 68.4943, 104.4928



60.7783, 58.8818, 102.7697



17.7664, 18.9045, 22.9625



13.7274, 12.3643, 51.0976



1.4459, 1.4225, 5.0116



# Previews

## White Background



This preview shows how the XYZ color 78.1290, 79.0959, 63.3738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

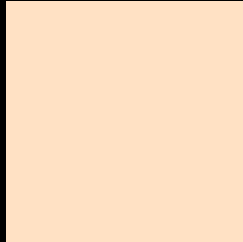
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1290, 79.0959, 63.3738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

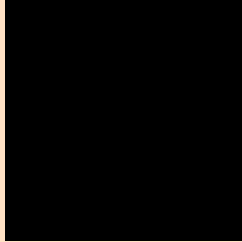
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.1290, 79.0959, 63.3738**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.1290, 79.0959, 63.3738.



This preview shows how white text looks on a background with the XYZ color 78.1290, 79.0959,

63.3738.

# 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

78.1290, 79.0959, 63.3738

### Protanopia

75.1078, 79.5481, 64.8218

### Deuteranopia

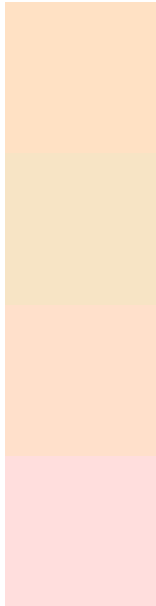
79.1581, 79.0763, 70.1227



## Tritanopia

82.0918, 78.9711, 89.5135

# Trichromacy



## Original Color

78.1290, 79.0959, 63.3738

## Protanomaly

76.1792, 79.2922, 64.1132

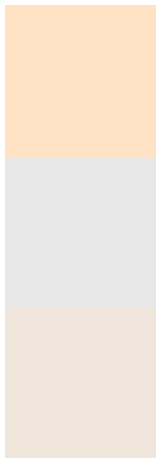
## Deuteranomaly

78.6751, 78.8831, 67.5792

## Tritanomaly

80.4124, 78.7230, 79.3635

# Monochromacy



## Original Color

78.1290, 79.0959, 63.3738

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.6094, 79.6258, 77.6612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1290, 79.0959, 63.3738 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, 225, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 196)  
}
```

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, 225, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1290, 79.0959, 63.3738 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, 225, 196) }
```



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

```
.border{ border-color:rgb(255, 225, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1290, 79.0959, 63.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 196) }
```

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

```
.background{ background-color: rgb(255,  
225, 196) }
```

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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