

# Converting Colors

XYZ(92.7482, 87.1268, 66.8906)

Have a look what the booklet for  
XYZ(92.7482, 87.1268, 66.8906)  
contains.

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# **Color**

**XYZ(78.9790, 79.8698,  
66.5121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2C9
RGB	255, 226, 201
RGB Percent	100%, 89%, 79%
CMY	0.0000, 0.1137, 0.2118
CMYK	0.00, 0.11, 0.21, 0.00
HSL	28°, 100%, 89%
HSV	28°, 21%, 100%
XYZ	78.9790, 79.8698, 66.5121
YIQ	231.8210, 25.3090, -1.6270

# Conversions

## Conversions Part 2

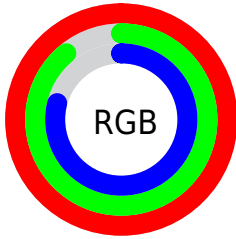
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 248, 201
Decimal	16769737
CIE <sub>Lab</sub>	91.63, 6.16, 15.86
CIE <sub>LCh</sub>	92, 17.019, 68.775
Yxy	79.8698, 0.3505, 0.3544
Android (android.graphics.Color)	4294959817 (0xFFFFE2C9)
YUV	231.8210, -15.1948, 20.3280
Hunter-Lab	89.3699, 1.3487, 18.4333

# Details

The XYZ color **78.9790, 79.8698, 66.5121** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.4334, 76.2288, 105.6091**, and the grayscale version is **76.6663, 80.6590, 87.8376**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1181, 43.2382, 33.6770** is the 20% darker color. If you saturate the color by 10%, you get **72.6494, 71.6192, 50.8112**, and if you desaturate by 10%, it is **86.1078, 88.9212, 84.9382**.

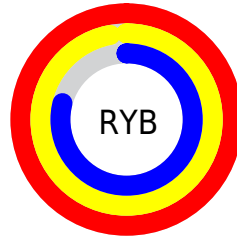
# Distribution



Red (100%)

Green (89%)

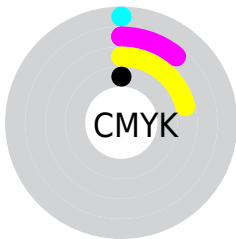
Blue (79%)



Red (100%)

Yellow (97%)

Blue (79%)

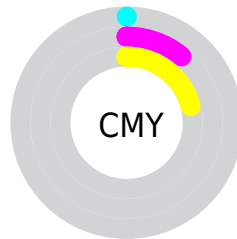


Cyan (0%)

Magenta (11%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9790, 79.8698, 66.5121 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 78.9790, 79.8698, 66.5121 by changing the saturation by 10% instead.




 78.9790, 79.8698,  
66.5121

 78.9790, 79.8698,  
66.5121


480.2744,  
494.4939, 466.6602

 59.1841, 59.6112,  
48.2291


130.8874,  
133.1827, 115.8550

 43.0083, 43.1053,  
33.6471


163.7316,  
167.0057, 147.7520

 30.0862, 29.9678,  
22.3475


201.6563,  
206.1191, 185.0242

 20.0524, 19.8141,  
13.9117

245.0268,  
250.9071, 228.0899

 12.5416, 12.2600,  
7.9212

294.2085,  
301.7542, 277.3679

 7.1885, 6.9210,  
3.9575

349.5668,

 3.6276, 3.4127,

359.0448, 333.2766

1.6021

411.4670,  
423.1632, 396.2345

■ 1.4937, 1.3508,  
0.2923

■ 0.3215, 0.1801,  
0.0000

■ 78.9790, 79.8698,  
66.5121

■ 78.9790, 79.8698,  
66.5121

■ 72.6494, 71.6192,  
50.8112

■ 86.1078, 88.9212,  
84.9382

■ 67.0818, 64.1354,  
37.6987

■ 94.0595, 98.7855,  
106.2070

■ 62.2444, 57.3969,  
27.0336

95.0500, 100.0000,  
108.9000

■ 58.1003, 51.3770,  
18.6594

■ 54.6090, 46.0471,  
12.4007

■ 51.7248, 41.3760,  
8.0567

■ 49.3940, 37.3286,  
5.3865

■ 47.7280, 34.2360,  
4.0927

# Harmonies

## Analogous

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



82.6156, 79.8698, 72.8235



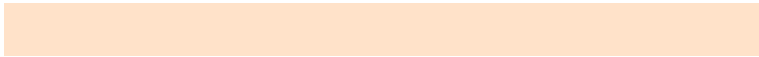
78.9790, 79.8698, 66.5121



74.6464, 79.8698, 65.3952

# Triad

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



78.9790, 79.8698, 66.5121



67.9523, 79.8698, 90.6663



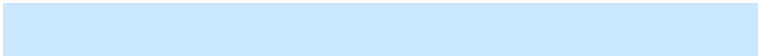
81.2675, 79.8698, 106.9851

# Complementary

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



78.9790, 79.8698, 66.5121



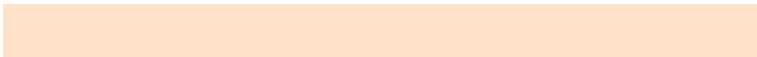
70.4334, 76.2288, 105.6091

# Split Complementary

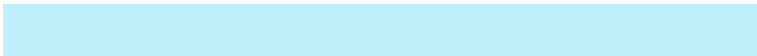
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1956, 79.8698, 112.8212



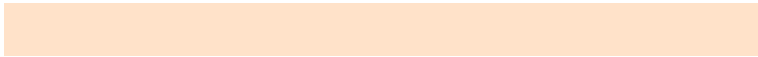
78.9790, 79.8698, 66.5121



69.5847, 79.8698, 102.8273

# Square

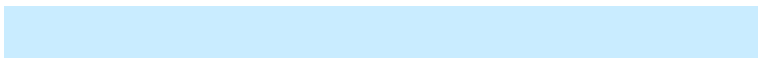
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9790, 79.8698, 66.5121



68.3888, 79.8698, 78.5863



72.9290, 79.8698, 111.2311



83.9716, 79.8698, 95.9183



# Rectangle

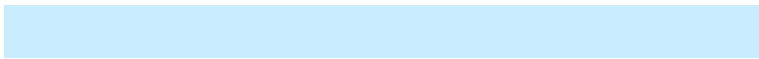
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9790, 79.8698, 66.5121



71.9626, 79.8698, 67.6320



72.9290, 79.8698, 111.2311



80.0072, 79.8698, 109.6695

# Sweetspot

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



78.9809, 79.8733, 66.5138



90.1186, 93.9235, 95.5839



76.5086, 68.7867, 84.6246



19.1781, 19.9658, 20.1622



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.



78.9809, 79.8733, 66.5138



76.4673, 76.6243, 60.1943



86.6875, 95.2866, 69.0826



18.7026, 19.3734, 18.8980



25.0847, 18.1807, 2.1871

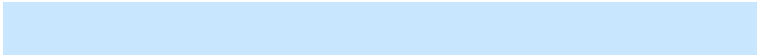


2.5504, 1.9861, 0.2489

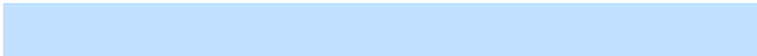


# Inverse Universe

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



70.4334, 76.2288, 105.6091



66.6539, 72.4390, 105.0768



63.6599, 62.6818, 103.3513



17.8109, 18.9933, 22.9773



14.2509, 13.4114, 51.2721

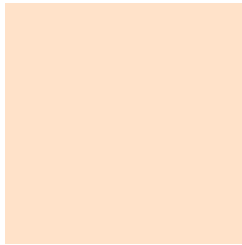


1.4969, 1.5246, 5.0286



# Previews

## White Background



This preview shows how the XYZ color 78.9790, 79.8698, 66.5121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

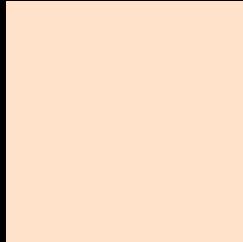
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9790, 79.8698, 66.5121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

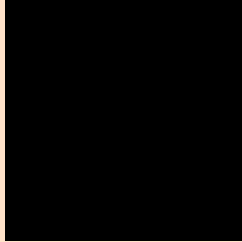
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.9790, 79.8698, 66.5121

## Background



This preview shows how black text looks on a background with the XYZ color 78.9790, 79.8698, 66.5121.



This preview shows how white text looks on a background with the XYZ color 78.9790, 79.8698,



# 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

78.9790, 79.8698, 66.5121

### Protanopia

75.6943, 79.7827, 67.9100

### Deuteranopia

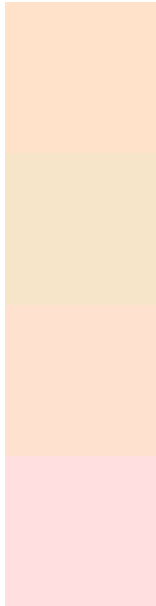
79.9231, 79.8136, 72.8212



## Tritanopia

82.6473, 79.6170, 91.1324

# Trichromacy



## Original Color

78.9790, 79.8698, 66.5121

## Protanomaly

77.0378, 80.0770, 67.2732

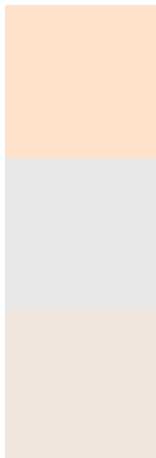
## Deuteranomaly

79.4277, 79.6154, 70.2125

## Tritanomaly

81.0822, 79.4172, 81.5766

# Monochromacy



## Original Color

78.9790, 79.8698, 66.5121

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.2831, 80.3394, 79.8404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9790, 79.8698, 66.5121 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, 226, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9790, 79.8698, 66.5121 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, 226, 201) }
```



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

```
.border{ border-color:rgb(255, 226, 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, 226, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9790, 79.8698, 66.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 201) }
```

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

```
.background{ background-color: rgb(255,  
226, 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](#).

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