

# Converting Colors

XYZ(137.7754, 109.5582,  
61.7163)

Have a look what the booklet for  
XYZ(137.7754, 109.5582, 61.7163)  
contains.

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# Color

**XYZ(76.9728, 78.2021,  
58.6146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0BC
RGB	255, 224, 188
RGB Percent	100%, 88%, 74%
CMY	0.0000, 0.1215, 0.2627
CMYK	0.00, 0.12, 0.26, 0.00
HSL	32°, 100%, 87%
HSV	32°, 26%, 100%
XYZ	76.9728, 78.2021, 58.6146
YIQ	229.1650, 30.0320, -4.6240

# Conversions

## Conversions Part 2

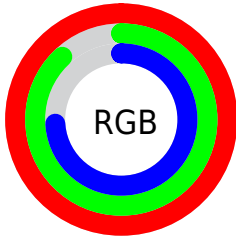
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 255, 188
Decimal	16769212
CIE <sub>Lab</sub>	90.87, 5.40, 21.57
CIE <sub>LCh</sub>	91, 22.231, 75.945
Yxy	78.2021, 0.3600, 0.3658
Android (android.graphics.Color)	4294959292 (0xFFFFE0BC)
YUV	229.1650, -20.2943, 22.6573
Hunter-Lab	88.4320, 0.6138, 22.6037

# Details

The XYZ color **76.9728, 78.2021, 58.6146** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.1199, 68.5724, 104.4641**, and the grayscale version is **74.7284, 78.6201, 85.6173**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **41.8498, 42.1310, 28.8480** is the 20% darker color. If you saturate the color by 10%, you get **71.4022, 71.0784, 44.3730**, and if you desaturate by 10%, it is **83.2527, 85.9670, 75.4907**.

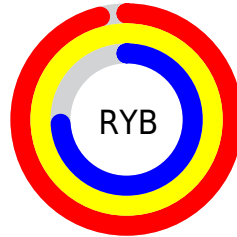
# Distribution



Red (100%)

Green (88%)

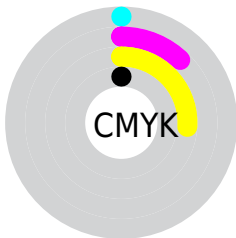
Blue (74%)



Red (96%)

Yellow (100%)

Blue (74%)

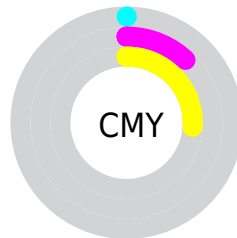


Cyan (0%)

Magenta (12%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9728, 78.2021, 58.6146 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 76.9728, 78.2021, 58.6146 by changing the saturation by 10% instead.





 76.9728, 78.2021,  
58.6146

 76.9728, 78.2021,  
58.6146


473.5646,  
488.8529, 437.1342

 57.5304, 58.2400,  
41.8850


 128.0741,  
130.8350, 104.3409

 41.6730, 42.0016,  
28.6863


160.4638,  
164.2746, 134.1747

 29.0353, 29.1026,  
18.6001

197.8999,  
202.9754, 169.2136

 19.2520, 19.1584,  
11.2078

240.7478,  
247.3220, 209.8762

 11.9576, 11.7848,  
6.0909

289.3729,  
297.6986, 256.5811

 6.7868, 6.5973,  
2.8307

344.1405,

 3.3743, 3.2116,

354.4897, 309.7466

1.0089

405.4159,  
418.0797, 369.7915

■ 1.3546, 1.2432,  
0.0000

■ 0.2236, 0.0965,  
0.0000

■ 76.9728, 78.2021,  
58.6146

■ 76.9728, 78.2021,  
58.6146

■ 71.4022, 71.0784,  
44.3730

■ 83.2527, 85.9670,  
75.4907

■ 66.5056, 64.5664,  
32.6250

■ 90.2646, 94.3807,  
95.1227

■ 62.2522, 58.6493,  
23.2236

95.0500, 100.0000,  
108.9000

■ 58.6064, 53.3052,  
16.0045

■ 55.5284, 48.5104,  
10.7816

■ 52.9719, 44.2383,  
7.3372

■ 50.8806, 40.4578,  
5.4003

■ 50.1906, 39.1613,  
4.9135

# Harmonies

## Analogous

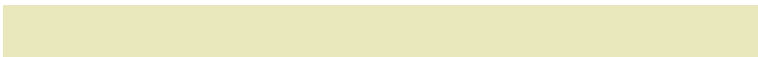
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0654, 78.2021, 64.8646



76.9728, 78.2021, 58.6146



71.4114, 78.2021, 58.8201

# Triad

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



76.9728, 78.2021, 58.6146



64.4543, 78.2021, 93.8993



82.3339, 78.2021, 108.4268

# Complementary

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



76.9728, 78.2021, 58.6146



64.1199, 68.5724, 104.4641

# 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.



77.3245, 78.2021, 118.3529



76.9728, 78.2021, 58.6146



67.0943, 78.2021, 109.2740

# Square

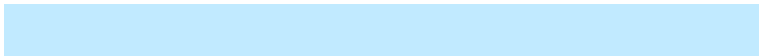
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9728, 78.2021, 58.6146



64.3708, 78.2021, 77.8816



71.7460, 78.2021, 118.6810



85.2641, 78.2021, 92.8545

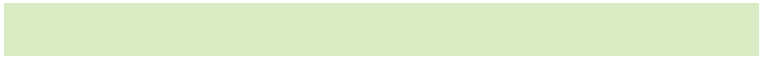


# Rectangle

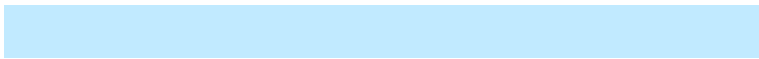
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9728, 78.2021, 58.6146



68.1890, 78.2021, 62.5559



71.7460, 78.2021, 118.6810



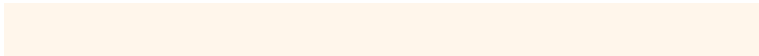
80.8264, 78.2021, 112.6157

# Sweetspot

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



76.9746, 78.2055, 58.6162



89.0006, 92.8809, 91.5316



72.0451, 62.3558, 75.4414



18.8179, 19.6040, 18.9365



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.



76.9746, 78.2055, 58.6162



73.6993, 74.0480, 50.1467



85.2604, 95.9898, 61.6122



18.8179, 19.6040, 18.9365



26.3768, 20.7649, 2.6178



2.6776, 2.2405, 0.2913



# Inverse Universe

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



64.1199, 68.5724, 104.4641



58.7034, 62.8124, 103.6377



57.3276, 54.1647, 102.0411



17.6955, 18.7627, 22.9389



12.9603, 10.8301, 50.8419



1.3698, 1.2703, 4.9863



# Previews

## White Background



This preview shows how the XYZ color 76.9728, 78.2021, 58.6146 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 76.9728, 78.2021, 58.6146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

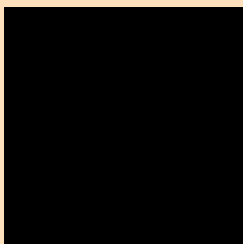
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.9728, 78.2021, 58.6146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.9728, 78.2021, 58.6146.



This preview shows how white text looks on a background with the XYZ color 76.9728, 78.2021,



# 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

76.9728, 78.2021, 58.6146

### Protanopia

73.6556, 78.0818, 59.9044

### Deuteranopia

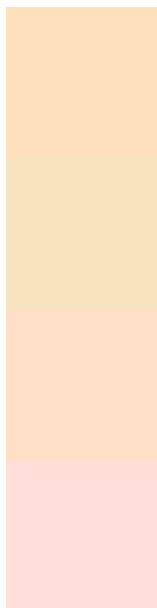
78.2883, 78.2996, 66.8642



## Tritanopia

81.5412, 78.3296, 87.9122

# Trichromacy



## Original Color

76.9728, 78.2021, 58.6146

## Protanomaly

75.0122, 78.3865, 59.3206

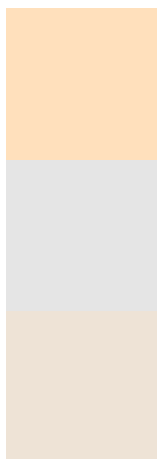
## Deuteranomaly

77.7057, 78.0666, 63.7961

## Tritanomaly

79.6208, 77.9827, 76.5013

# Monochromacy



## Original Color

76.9728, 78.2021, 58.6146

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.8666, 77.9704, 74.7222

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9728, 78.2021, 58.6146 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, 224, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 188)  
}
```

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, 224, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9728, 78.2021, 58.6146 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, 224, 188) }
```



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

```
.border{ border-color:rgb(255, 224, 188) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9728, 78.2021, 58.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 188) }
```

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

```
.background{ background-color: rgb(255,  
224, 188) }
```

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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