

# Converting Colors

XYZ(77.0749, 75.6247, 58.0881)

Have a look what the booklet for  
XYZ(77.0749, 75.6247, 58.0881)  
contains.

<b>XYZ(75.1300, 74.5165, 58.0003)</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(75.1300, 74.5165,  
58.0003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9BC
RGB	255, 217, 188
RGB Percent	100%, 85%, 74%
CMY	0.0000, 0.1490, 0.2627
CMYK	0.00, 0.15, 0.26, 0.00
HSL	26°, 100%, 87%
HSV	26°, 26%, 100%
XYZ	75.1300, 74.5165, 58.0003
YIQ	225.0560, 31.9570, -0.9630

# Conversions

## Conversions Part 2

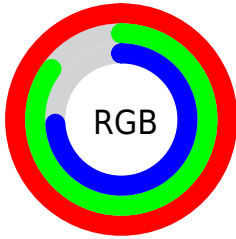
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 239, 188
Decimal	16767420
CIE Lab	89.17, 9.00, 19.19
CIE LCh	89, 21.201, 64.872
Yxy	74.5165, 0.3618, 0.3589
Android (android.graphics.Color)	4294957500 (0xFFFFD9BC)
YUV	225.0560, -18.2686, 26.2609
Hunter-Lab	86.3229, 4.2899, 20.5892

# Details

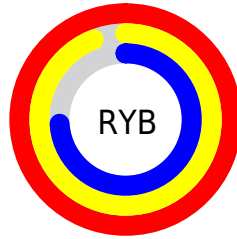
The XYZ color **75.1300, 74.5165, 58.0003** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.9846, 72.3019, 105.0856**, and the grayscale version is **71.7209, 75.4560, 82.1716**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **40.3195, 39.4602, 28.4132** is the 20% darker color. If you saturate the color by 10%, you get **69.0550, 66.3840, 43.5905**, and if you desaturate by 10%, it is **82.0208, 83.5031, 75.0800**.

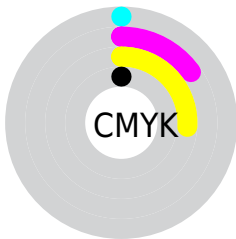
# Distribution



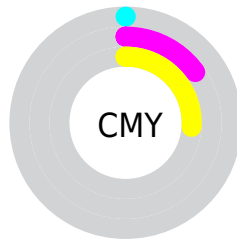
- Red (100%)
- Green (85%)
- Blue (74%)



- Red (100%)
- Yellow (94%)
- Blue (74%)



- Cyan (0%)
- Magenta (15%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1300, 74.5165, 58.0003 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 75.1300, 74.5165, 58.0003 by changing the saturation by 10% instead.





 75.1300, 74.5165,  
58.0003

 75.1300, 74.5165,  
58.0003


467.3546,  
476.2541, 434.7853

 56.0139, 55.2169,  
41.3942


 125.4833,  
125.6277, 103.4381

 40.4511, 39.5754,  
28.3052


157.4512,  
158.2081, 133.1068

 28.0763, 27.2076,  
18.3148


194.4339,  
195.9842, 167.9669

 18.5239, 17.7292,  
11.0045

236.7965,  
239.3404, 208.4367

 11.4287, 10.7558,  
5.9556

284.9046,  
288.6611, 254.9350

 6.4254, 5.9028,  
2.7498

339.1233,

 3.1485, 2.7861,

344.3306, 307.8801

0.9683

399.8182,  
406.7335, 367.6907

■ 1.2328, 1.0211,  
0.0000

■ 0.1320, 0.0000,  
0.0000

■ 75.1300, 74.5165,  
58.0003

■ 75.1300, 74.5165,  
58.0003

■ 69.0550, 66.3840,  
43.5905

■ 82.0208, 83.5031,  
75.0800

■ 63.7568, 59.0688,  
31.7086

■ 89.7540, 93.3596,  
94.9524

■ 59.2005, 52.5458,  
22.2063

95.0500, 100.0000,  
108.9000

■ 55.3460, 46.7844,  
14.9177

■ 52.1489, 41.7516,  
9.6551

■ 49.5582, 37.4110,  
6.1993

■ 47.5122, 33.7212,  
4.2775

■ 46.8584, 32.4968,  
3.8028

# Harmonies

## Analogous

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



79.2957, 74.5165, 65.9273



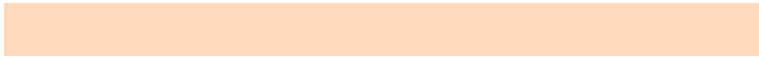
75.1300, 74.5165, 58.0003



69.9851, 74.5165, 55.9536

# Triad

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



75.1300, 74.5165, 58.0003



61.3783, 74.5165, 83.5769



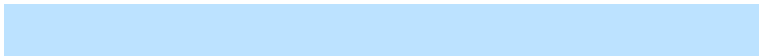
76.6607, 74.5165, 106.7972

# Complementary

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



75.1300, 74.5165, 58.0003



65.9846, 72.3019, 105.0856

# 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.



71.6730, 74.5165, 112.9254



75.1300, 74.5165, 58.0003



62.9814, 74.5165, 98.5199

# Square

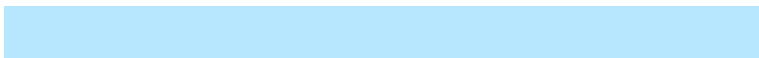
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1300, 74.5165, 58.0003



62.2042, 74.5165, 69.6404



66.6890, 74.5165, 109.7266



80.2091, 74.5165, 93.8314



# Rectangle

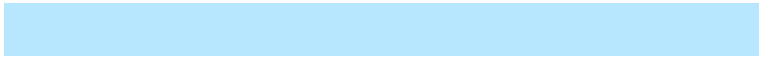
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1300, 74.5165, 58.0003



66.7277, 74.5165, 57.9573



66.6890, 74.5165, 109.7266



75.0881, 74.5165, 109.7925

# Sweetspot

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



75.1317, 74.5198, 58.0018



88.3575, 91.5948, 91.3172



73.1003, 62.7779, 80.9984



18.6561, 19.2805, 18.8825



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.



75.1317, 74.5198, 58.0018



71.5548, 69.7591, 49.4319



84.3220, 92.9002, 61.0652



18.6561, 19.2805, 18.8825



24.6263, 17.2639, 2.0343

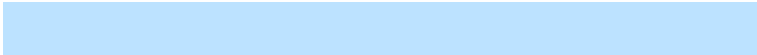


2.5039, 1.8932, 0.2335

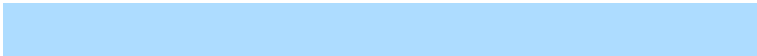


# Inverse Universe

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



65.9846, 72.3019, 105.0856



60.8800, 67.1655, 104.3633



57.9890, 56.3107, 102.4204



17.8580, 19.0875, 22.9930



14.8422, 14.5941, 51.4692

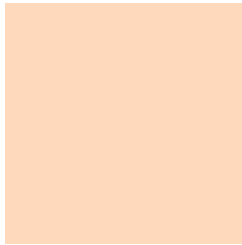


1.5538, 1.6383, 5.0476



# Previews

## White Background



This preview shows how the XYZ color 75.1300, 74.5165, 58.0003 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

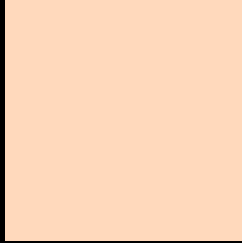
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1300, 74.5165, 58.0003 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 75.1300, 74.5165, 58.0003**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1300, 74.5165, 58.0003.



This preview shows how white text looks on a background with the XYZ color 75.1300, 74.5165,



# 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

75.1300, 74.5165, 58.0003

### Protanopia

70.6517, 74.9058, 60.0247

### Deuteranopia

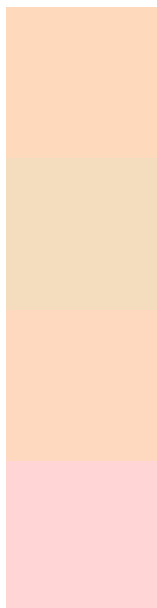
75.6785, 74.7360, 60.8889



## Tritanopia

78.8994, 74.3946, 82.8742

# Trichromacy



## Original Color

75.1300, 74.5165, 58.0003

## Protanomaly

72.1129, 74.4853, 59.2915

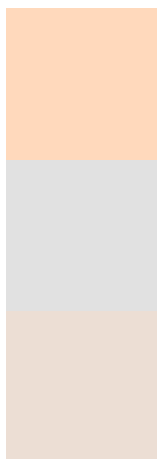
## Deuteranomaly

75.4568, 74.6473, 59.7216

## Tritanomaly

77.2968, 74.1572, 73.1906

# Monochromacy



## Original Color

75.1300, 74.5165, 58.0003

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

72.5970, 74.8289, 72.9045

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1300, 74.5165, 58.0003 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, 217, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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, 217, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1300, 74.5165, 58.0003 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".

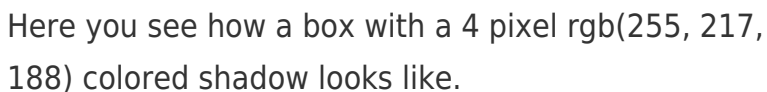
```
.border, #border, table{ border:4px solid rgb(255, 217, 188) }
```



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

```
.border{ border-color:rgb(255, 217, 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, 217, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1300, 74.5165, 58.0003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 188) }
```

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

```
.background{ background-color: rgb(255,  
217, 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](#).

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