

# Converting Colors

XYZ(75.3356, 76.5671, 53.0152)

Have a look what the booklet for  
XYZ(75.3356, 76.5671, 53.0152)  
contains.

<b>XYZ(75.3972, 76.7169, 52.9535)</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(75.3972, 76.7169,  
52.9535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEB2
RGB	255, 222, 178
RGB Percent	100%, 87%, 70%
CMY	0.0000, 0.1294, 0.3020
CMYK	0.00, 0.13, 0.30, 0.00
HSL	34°, 100%, 85%
HSV	34°, 30%, 100%
XYZ	75.3972, 76.7169, 52.9535
YIQ	226.8510, 33.7920, -6.6880

# Conversions

## Conversions Part 2

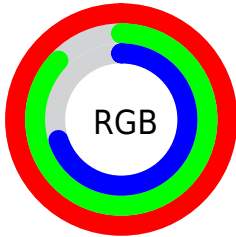
Format	Color
<a href="#">RYB</a>	<a href="#">236, 255, 178</a>
Decimal	<a href="#">16768690</a>
CIELab	<a href="#">90.19, 5.13, 25.81</a>
CIElCh	<a href="#">90, 26.313, 78.754</a>
Yxy	<a href="#">76.7169, 0.3677, 0.3741</a>
Android (android.graphics.Color)	<a href="#">4294958770</a> ( <a href="#">0xFFFFDEB2</a> )
YUV	<a href="#">226.8510, -24.0835, 24.6867</a>
Hunter-Lab	<a href="#">87.5882, 0.3761, 25.4666</a>

# Details

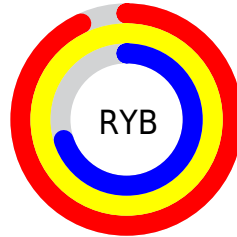
The XYZ color **75.3972, 76.7169, 52.9535** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.7037, 63.2716, 103.6737**, and the grayscale version is **73.0593, 76.8640, 83.7049**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **40.5463, 40.9884, 25.1766** is the 20% darker color. If you saturate the color by 10%, you get **70.2628, 70.1716, 39.7630**, and if you desaturate by 10%, it is **81.1994, 83.8357, 68.7163**.

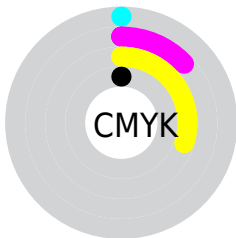
# Distribution



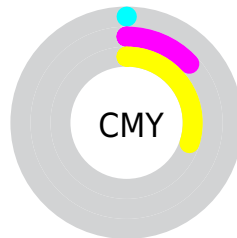
- Red (100%)
- Green (87%)
- Blue (70%)



- Red (93%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (13%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3972, 76.7169, 52.9535 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 75.3972, 76.7169, 52.9535 by changing the saturation by 10% instead.




 75.3972, 76.7169,  
52.9535

 75.3972, 76.7169,  
52.9535


468.2579,  
483.7983, 415.1679

 56.2337, 57.0206,  
37.3782


 125.8594,  
128.7398, 95.9768

 40.6280, 41.0217,  
25.2024


157.8887,  
161.8351, 124.2618

 28.2149, 28.3361,  
16.0075

194.9374,  
200.1655, 157.6206

 18.6290, 18.5792,  
9.3750

237.3707,  
244.1155, 196.4715

 11.5049, 11.3666,  
4.8865

285.5541,  
294.0693, 241.2331

 6.4773, 6.3140,  
2.1232

339.8528,

 3.1808, 3.0369,

350.4115, 292.3241

0.6295

400.6323,  
413.5263, 350.1628

■ 1.2501, 1.1510,  
0.0000

■ 0.1454, 0.0212,  
0.0000

■ 75.3972, 76.7169,  
52.9535

■ 75.3972, 76.7169,  
52.9535

■ 70.2628, 70.1716,  
39.7630

■ 81.1994, 83.8357,  
68.7163

■ 65.7606, 64.1717,  
28.9998

■ 87.6917, 91.5343,  
87.1762

■ 61.8599, 58.7020,  
20.5115

94.9019, 99.8319,  
108.4556

■ 58.5246, 53.7419,  
14.1265

95.0500, 100.0000,  
108.9000

■ 55.7137, 49.2688,  
9.6481

■ 53.3789, 45.2570,  
6.8419

■ 51.4777, 41.7354,  
5.3426

# Harmonies

## Analogous

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



81.5262, 76.7169, 59.2734



75.3972, 76.7169, 52.9535



68.9484, 76.7169, 53.8593

# Triad

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



75.3972, 76.7169, 52.9535



61.6458, 76.7169, 95.6538



82.7869, 76.7169, 109.5970

# Complementary

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



75.3972, 76.7169, 52.9535



59.7037, 63.2716, 103.6737

# Split Complementary

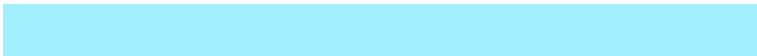
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0353, 76.7169, 122.4859



75.3972, 76.7169, 52.9535



64.9365, 76.7169, 113.6422

# Square

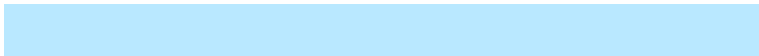
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3972, 76.7169, 52.9535



61.2656, 76.7169, 76.7029



70.4920, 76.7169, 124.0680



85.9595, 76.7169, 90.7541



# Rectangle

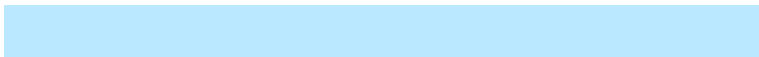
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3972, 76.7169, 52.9535



65.3251, 76.7169, 58.4760



70.4920, 76.7169, 124.0680



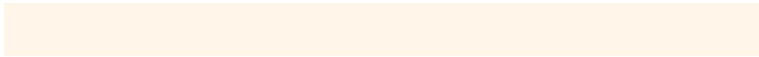
81.0757, 76.7169, 114.8829

# Sweetspot

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



75.3990, 76.7204, 52.9551



88.5152, 92.4943, 89.5691



68.9648, 57.8232, 69.3962



18.7316, 19.5477, 18.5492



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.



75.3990, 76.7204, 52.9551



72.3386, 72.8511, 44.9934



83.1727, 95.0338, 56.0802



18.8712, 19.7106, 18.9542



27.0494, 22.1101, 2.8420



2.7422, 2.3698, 0.3129



# Inverse Universe

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



59.7037, 63.2716, 103.6737



54.4418, 57.5208, 102.8410



53.5314, 49.1454, 101.2724



17.6430, 18.6576, 22.9213



12.4451, 9.7998, 50.6702



1.3176, 1.1658, 4.9689



# Previews

## White Background



This preview shows how the XYZ color 75.3972, 76.7169, 52.9535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

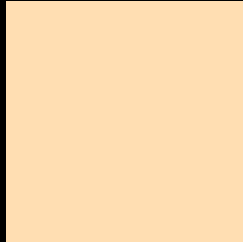
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3972, 76.7169, 52.9535 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 75.3972, 76.7169, 52.9535**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3972, 76.7169, 52.9535.



This preview shows how white text looks on a background with the XYZ color 75.3972, 76.7169,



# 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

75.3972, 76.7169, 52.9535

### Protanopia

71.9829, 76.9342, 54.2359

### Deuteranopia

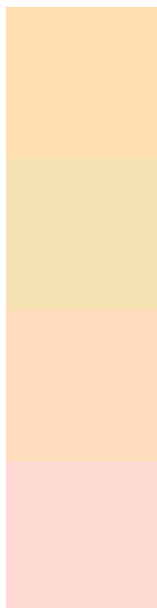
76.8341, 76.8679, 61.8263



## Tritanopia

80.4767, 76.6552, 86.1557

# Trichromacy



## Original Color

75.3972, 76.7169, 52.9535

## Protanomaly

73.0679, 76.6979, 53.6009

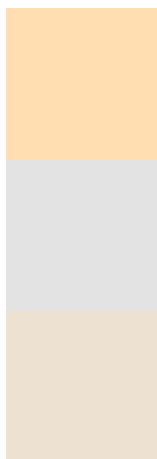
## Deuteranomaly

76.1736, 76.6037, 58.3482

## Tritanomaly

78.4552, 76.6765, 72.9524

# Monochromacy



## Original Color

75.3972, 76.7169, 52.9535

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.3589, 76.4584, 71.2131

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3972, 76.7169, 52.9535 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3972, 76.7169, 52.9535 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, 178) }
```



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

```
.border{ border-color:rgb(255, 222, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3972, 76.7169, 52.9535 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
222, 178) }
```

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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