

# Converting Colors

XYZ(72.7053, 73.5187, 45.3186)

Have a look what the booklet for  
XYZ(72.7053, 73.5187, 45.3186)  
contains.

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# Color

**XYZ(72.7537, 73.5660,  
45.4871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9A4
RGB	255, 217, 164
RGB Percent	100%, 85%, 64%
CMY	0.0000, 0.1490, 0.3569
CMYK	0.00, 0.15, 0.36, 0.00
HSL	35°, 100%, 82%
HSV	35°, 36%, 100%
XYZ	72.7537, 73.5660, 45.4871
YIQ	222.3200, 39.6610, -8.4270

# Conversions

## Conversions Part 2

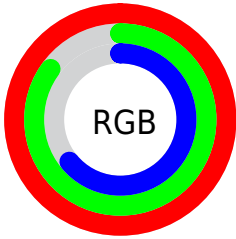
Format	Color
R <sub>YB</sub>	229, 255, 164
Decimal	16767396
CIE Lab	88.72, 6.01, 31.04
CIE LCh	89, 31.613, 79.037
Yxy	73.5660, 0.3793, 0.3835
Android (android.graphics.Color)	4294957476 (0xFFFFD9A4)
YUV	222.3200, -28.7518, 28.6604
Hunter-Lab	85.7706, 1.3115, 28.5959

# Details

The XYZ color **72.7537, 73.5660, 45.4871** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.4798, 57.3518, 102.8063**, and the grayscale version is **69.8362, 73.4731, 80.0122**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **38.8709, 38.8808, 20.7853** is the 20% darker color. If you saturate the color by 10%, you get **68.0219, 67.4255, 33.6650**, and if you desaturate by 10%, it is **78.1280, 80.2521, 59.8027**.

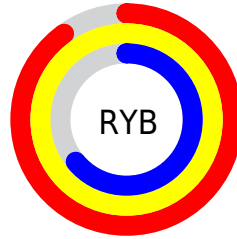
# Distribution



Red (100%)

Green (85%)

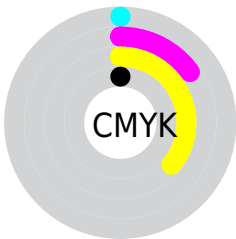
Blue (64%)



Red (90%)

Yellow (100%)

Blue (64%)

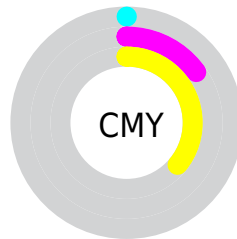


Cyan (0%)

Magenta (15%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7537, 73.5660, 45.4871 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 72.7537, 73.5660, 45.4871 by changing the saturation by 10% instead.




 72.7537, 73.5660,  
45.4871


 72.7537, 73.5660,  
45.4871


459.2777,  
472.9741, 384.9603

 54.0623, 54.4389,  
31.4955


 122.1325,  
124.2804, 84.7771

 38.8823, 38.9527,  
20.7149


 153.5506,  
156.6365, 110.9125

 26.8485, 26.7229,  
12.7265


189.9416,  
194.1710, 141.9330

 17.5955, 17.3652,  
7.1120

231.6708,  
237.2684, 178.2571

 10.7579, 10.4952,  
3.4527

279.1037,  
286.3130, 220.3034

 5.9703, 5.7285,  
1.3302

332.6056,

 2.8675, 2.6807,

341.6892, 268.4903

0.0863

392.5418,  
403.7815, 323.2364

■ 1.0841, 0.9674,  
0.0000

■ 0.0118, 0.0000,  
0.0000

■ 72.7537, 73.5660,  
45.4871

■ 72.7537, 73.5660,  
45.4871

■ 68.0219, 67.4255,  
33.6650

■ 78.1280, 80.2521,  
59.8027

■ 63.8959, 61.8027,  
24.1848

■ 84.1679, 87.4903,  
76.7425

■ 60.3436, 56.6819,  
16.8850

■ 90.9021, 95.2996,  
96.4332

■ 57.3267, 52.0421,  
11.5814

95.0500, 100.0000,  
108.9000

■ 54.8009, 47.8600,  
8.0591

■ 52.7122, 44.1077,  
6.0521

■ 51.9135, 42.6071,  
5.4878

# Harmonies

## Analogous

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



80.0027, 73.5660, 52.3442



72.7537, 73.5660, 45.4871



65.2389, 73.5660, 46.5466

# Triad

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



72.7537, 73.5660, 45.4871



56.9334, 73.5660, 94.6235



81.6134, 73.5660, 110.9720

# Complementary

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



72.7537, 73.5660, 45.4871



54.4798, 57.3518, 102.8063

# 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.



74.8246, 73.5660, 126.8219



72.7537, 73.5660, 45.4871



60.7263, 73.5660, 116.2594

# Square

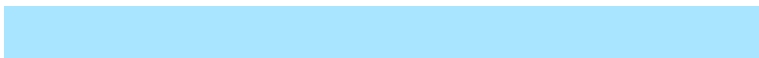
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7537, 73.5660, 45.4871



56.4679, 73.5660, 72.3624



67.1653, 73.5660, 128.9161



85.3602, 73.5660, 88.3722



# Rectangle

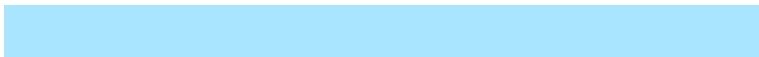
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7537, 73.5660, 45.4871



61.0714, 73.5660, 51.6623



67.1653, 73.5660, 128.9161



79.5894, 73.5660, 117.4291

# Sweetspot

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



72.7555, 73.5694, 45.4886



87.2352, 91.0773, 85.6188



65.3472, 52.1442, 63.3924



18.4786, 19.2693, 17.7627



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.



72.7555, 73.5694, 45.4886



69.2320, 69.0235, 36.6037



81.5042, 94.3279, 49.0343



18.8884, 19.7450, 18.9600



27.2769, 22.5649, 2.9178



2.7638, 2.4131, 0.3201



# Inverse Universe

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



54.4798, 57.3518, 102.8063



48.4483, 50.5905, 101.8192



47.9182, 42.3253, 100.2518



17.6261, 18.6239, 22.9157



12.2893, 9.4881, 50.6183



1.3015, 1.1337, 4.9635



# Previews

## White Background



This preview shows how the XYZ color 72.7537, 73.5660, 45.4871 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 72.7537, 73.5660, 45.4871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

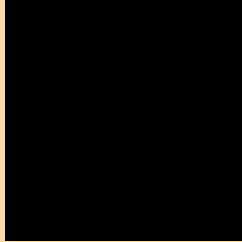
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.7537, 73.5660, 45.4871**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7537, 73.5660, 45.4871.



This preview shows how white text looks on a background with the XYZ color 72.7537, 73.5660,



# 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

72.7537, 73.5660, 45.4871

### Protanopia

68.8672, 73.8792, 46.7068

### Deuteranopia

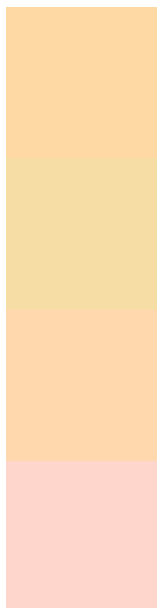
74.0341, 73.6670, 53.4972



## Tritanopia

78.3741, 73.7832, 81.3450

# Trichromacy



## Original Color

72.7537, 73.5660, 45.4871

## Protanomaly

70.3042, 73.8420, 46.1448

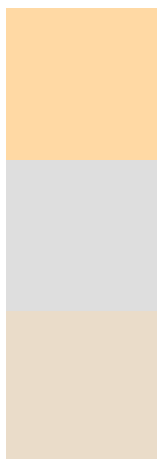
## Deuteranomaly

73.4358, 73.4277, 50.3469

## Tritanomaly

76.0661, 73.6649, 66.7096

# Monochromacy



## Original Color

72.7537, 73.5660, 45.4871

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

70.0675, 72.8959, 65.6357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7537, 73.5660, 45.4871 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7537, 73.5660, 45.4871 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, 164) }
```



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

```
.border{ border-color:rgb(255, 217, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7537, 73.5660, 45.4871 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, 164) }
```

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

```
.background{ background-color: rgb(255,  
217, 164) }
```

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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