

# Converting Colors

XYZ(93.9471, 81.4744, 66.3575)

Have a look what the booklet for  
XYZ(93.9471, 81.4744, 66.3575)  
contains.

<b>XYZ(74.9473, 71.6175, 65.7505)</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(74.9473, 71.6175,  
65.7505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2CA
RGB	255, 210, 202
RGB Percent	100%, 82%, 79%
CMY	0.0000, 0.1764, 0.2078
CMYK	0.00, 0.18, 0.21, 0.00
HSL	9°, 100%, 90%
HSV	9°, 21%, 100%
XYZ	74.9473, 71.6175, 65.7505
YIQ	222.5430, 29.3880, 7.0520

# Conversions

## Conversions Part 2

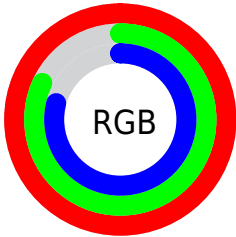
Format	Color
R <sub>Y</sub> B	255, 211, 202
Decimal	16765642
CIE Lab	87.78, 14.58, 9.89
CIE LCh	88, 17.622, 34.143
Yxy	71.6175, 0.3530, 0.3373
Android (android.graphics.Color)	4294955722 (0xFFFFD2CA)
YUV	222.5430, -10.1277, 28.4648
Hunter-Lab	84.6271, 9.9853, 13.1740

# Details

The XYZ color **74.9473, 71.6175, 65.7505** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.6668, 86.2954, 107.2763**, and the grayscale version is **69.8716, 73.5103, 80.0527**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3553, 37.5866, 33.1450** is the 20% darker color. If you saturate the color by 10%, you get **67.1859, 60.5340, 49.4781**, and if you desaturate by 10%, it is **83.9340, 84.3529, 84.8944**.

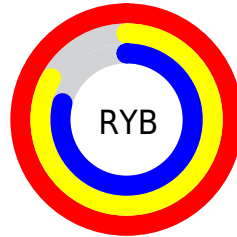
# Distribution



Red (100%)

Green (82%)

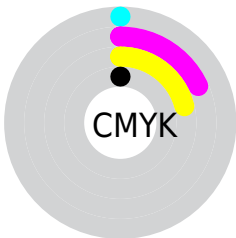
Blue (79%)



Red (100%)

Yellow (83%)

Blue (79%)

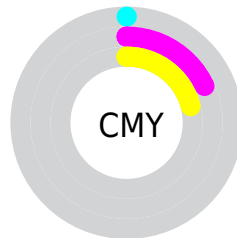


Cyan (0%)

Magenta (18%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9473, 71.6175, 65.7505 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 74.9473, 71.6175, 65.7505 by changing the saturation by 10% instead.




 74.9473, 71.6175,  
65.7505

 74.9473, 71.6175,  
65.7505


466.7364,  
466.2092, 463.8639

 55.8637, 52.8463,  
47.6147


125.2261,  
121.5126, 114.7517

 40.3303, 37.6801,  
33.1640


157.1520,  
153.4052, 146.4543

 27.9815, 25.7345,  
21.9800


194.0894,  
190.4404, 183.5161

 18.4521, 16.6251,  
13.6440

236.4037,  
233.0026, 226.3558

 11.3767, 9.9676,  
7.7376

284.4601,  
281.4762, 275.3919

 6.3900, 5.3775,  
3.8421

338.6242,

 3.1265, 2.4704,

336.2455, 331.0429

1.5391

399.2611,  
397.6951, 393.7274

■ 1.2210, 0.8618,  
0.2468

■ 0.1229, 0.0000,  
0.0000

■ 74.9473, 71.6175,  
65.7505

■ 74.9473, 71.6175,  
65.7505

■ 67.1859, 60.5340,  
49.4781

■ 83.9340, 84.3529,  
84.8944

■ 60.5915, 51.0254,  
35.9342

■ 94.1910, 98.7942,  
107.0346

■ 55.1085, 43.0229,  
24.9701

■ 95.0500, 100.0000,  
108.9000

■ 50.6745, 36.4485,  
16.4214

■ 47.2212, 31.2175,  
10.1043

■ 44.6715, 27.2360,  
5.8085

■ 42.9364, 24.3973,  
3.2834

■ 41.9497, 22.6794,  
2.1666

# Harmonies

## Analogous

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



76.4127, 71.6175, 76.3266



74.9473, 71.6175, 65.7505



71.6391, 71.6175, 59.0308

# Triad

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



74.9473, 71.6175, 65.7505



61.0850, 71.6175, 68.3574



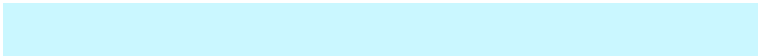
68.6531, 71.6175, 103.2876

# Complementary

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



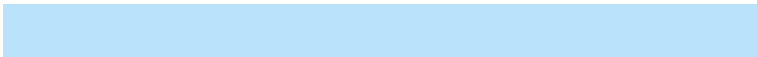
74.9473, 71.6175, 65.7505



75.6668, 86.2954, 107.2763

# 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.



64.6220, 71.6175, 100.6022



74.9473, 71.6175, 65.7505



60.3583, 71.6175, 79.6557

# Square

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



74.9473, 71.6175, 65.7505



63.6545, 71.6175, 60.4242



61.6274, 71.6175, 91.6374



72.6857, 71.6175, 98.6424



# Rectangle

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



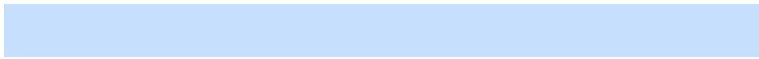
74.9473, 71.6175, 65.7505



68.8944, 71.6175, 57.2335



61.6274, 71.6175, 91.6374



67.2528, 71.6175, 103.2152

# Sweetspot

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



74.9490, 71.6206, 65.7520



88.6790, 91.0442, 95.1040



79.1571, 70.2203, 97.4182



18.8386, 19.2867, 20.0490



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.



74.9490, 71.6206, 65.7520



71.5299, 66.7493, 58.5485



82.0262, 85.7750, 68.1110



18.2308, 18.4297, 18.7408



21.9854, 11.9820, 1.1540

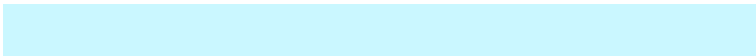


2.2026, 1.2906, 0.1330



# Inverse Universe

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



75.6668, 86.2954, 107.2763



72.3637, 83.8585, 106.9801



68.1456, 71.2529, 104.7693



18.3074, 19.9863, 23.1428



22.4161, 29.7417, 53.9939



2.2431, 3.0170, 5.2774



# Previews

## White Background



This preview shows how the XYZ color 74.9473, 71.6175, 65.7505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

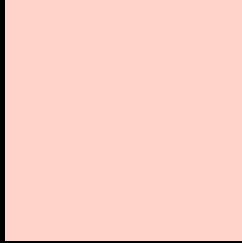
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9473, 71.6175, 65.7505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

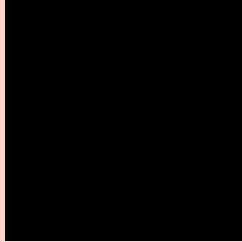
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.9473, 71.6175, 65.7505**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9473, 71.6175, 65.7505.



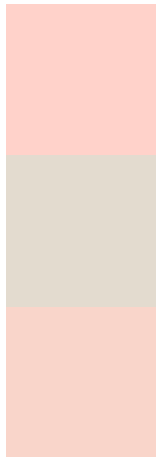
This preview shows how white text looks on a background with the XYZ color 74.9473, 71.6175,

65.7505.

# 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

74.9473, 71.6175, 65.7505

### Protanopia

68.2726, 71.4989, 69.2338

### Deuteranopia

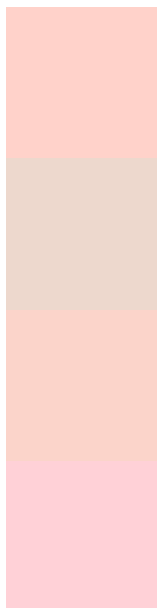
73.5218, 71.9925, 65.8980



## Tritanopia

77.1152, 71.6995, 79.5870

# Trichromacy



## Original Color

74.9473, 71.6175, 65.7505

## Protanomaly

70.5004, 71.5240, 67.8474

## Deuteranomaly

73.9878, 71.8605, 65.8480

## Tritanomaly

76.3062, 71.7672, 74.1207

# Monochromacy



## Original Color

74.9473, 71.6175, 65.7505

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

71.5981, 72.7113, 74.5510

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9473, 71.6175, 65.7505 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, 210, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 202)  
}
```

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, 210, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9473, 71.6175, 65.7505 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, 210, 202) }
```



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

```
.border{ border-color:rgb(255, 210, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9473, 71.6175, 65.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 202) }
```

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

```
.background{ background-color: rgb(255,  
210, 202) }
```

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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