

Converting Colors

XYZ(77.6928, 74.4249, 74.9403)

Have a look what the booklet for
XYZ(77.6928, 74.4249, 74.9403)
contains.

XYZ(77.6812, 74.3110, 75.2150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.6812, 74.3110,
75.2150)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD6D8
RGB	255, 214, 216
RGB Percent	100%, 84%, 85%
CMY	0.0000, 0.1608, 0.1529
CMYK	0.00, 0.16, 0.15, 0.00
HSL	357°, 100%, 92%
HSV	357°, 16%, 100%
XYZ	77.6812, 74.3110, 75.2150
YIQ	226.4870, 23.7940, 9.3140

Conversions

Conversions Part 2

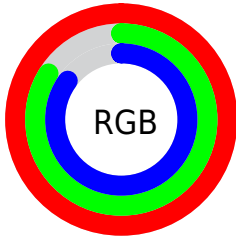
Format	Color
R _Y B	255, 214, 216
Decimal	16766680
CIE _{Lab}	89.07, 14.59, 4.36
CIE _{LCh}	89, 15.231, 16.617
Y _{xy}	74.3110, 0.3419, 0.3271
Android (android.graphics.Color)	4294956760 (0xFFFFD6D8)
YUV	226.4870, -5.1701, 25.0059
Hunter-Lab	86.2038, 9.9957, 8.6107

Details

The XYZ color **77.6812, 74.3110, 75.2150** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.2237, 92.9092, 106.5847**, and the grayscale version is **72.6670, 76.4514, 83.2556**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1199, 39.3752, 39.0984** is the 20% darker color. If you saturate the color by 10%, you get **68.8175, 61.2375, 57.9128**, and if you desaturate by 10%, it is **88.0218, 89.5966, 95.2956**.

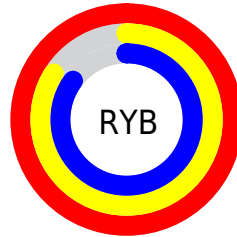
Distribution



Red (100%)

Green (84%)

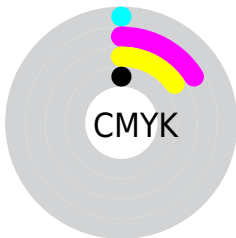
Blue (85%)



Red (100%)

Yellow (84%)

Blue (85%)

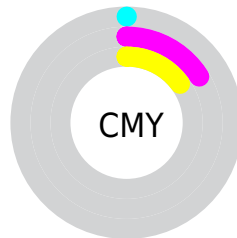


Cyan (0%)

Magenta (16%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6812, 74.3110, 75.2150 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 77.6812, 74.3110, 75.2150 by changing the saturation by 10% instead.

77.6812, 74.3110,
75.2150

77.6812, 74.3110,
75.2150

475.9399,
475.5460, 497.9313

58.1140, 55.0486,
55.2863

129.0684,
125.3366, 128.3666

42.1439, 39.4406,
39.2308

161.6190,
157.8686, 162.4264

29.4056, 27.1027,
26.6301

199.2283,
195.5925, 202.0338

19.5337, 17.6504,
17.0656

242.2614,
238.8929, 247.6071

12.1628, 10.6993,
10.1189

291.0837,
288.1540, 299.5650

6.9277, 5.8650,
5.3712

346.0607,

3.4628, 2.7632,

343.7603, 358.3260

2.4041

407.5576,
406.0962, 424.3086

■ 1.4030, 1.0094,
0.7887

■ 0.2583, 0.0000,
0.0000

■ 77.6812, 74.3110,
75.2150

■ 77.6812, 74.3110,
75.2150

■ 68.8175, 61.2375,
57.9128

■ 88.0218, 89.5966,
95.2956

■ 61.3582, 50.2645,
43.2624

95.0500, 100.0000,
108.9000

■ 55.2328, 41.2856,
31.1340

■ 50.3626, 34.1808,
21.3854

■ 46.6606, 28.8176,
13.8600

■ 44.0288, 25.0460,
8.3827

■ 42.3529, 22.6908,
4.7520

■ 41.4928, 21.5349,
2.7253

■ 41.3089, 21.2876,
2.2929

Harmonies

Analogous

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



77.7922, 74.3110, 85.7283



77.6812, 74.3110, 75.2150



75.6390, 74.3110, 66.9676

Triad

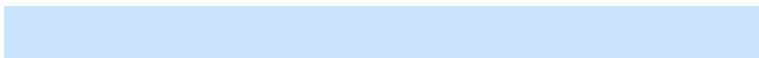
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6812, 74.3110, 75.2150



65.5769, 74.3110, 67.6881



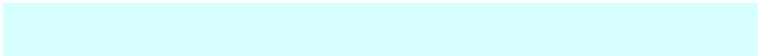
68.9938, 74.3110, 102.4344

Complementary

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



77.6812, 74.3110, 75.2150



81.2237, 92.9092, 106.5847

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.



65.8479, 74.3110, 96.6692



77.6812, 74.3110, 75.2150



63.9222, 74.3110, 76.2797

Square

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



77.6812, 74.3110, 75.2150



68.6121, 74.3110, 62.8892



64.0197, 74.3110, 86.8897



72.6879, 74.3110, 102.0859

Rectangle

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



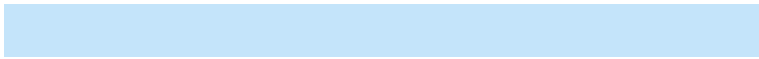
77.6812, 74.3110, 75.2150



73.4964, 74.3110, 63.5882



64.0197, 74.3110, 86.8897



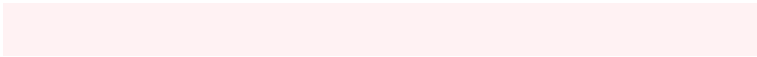
67.8398, 74.3110, 101.1271

Sweetspot

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



77.6830, 74.3142, 75.2165



89.2247, 91.3764, 97.6264



82.5881, 76.1896, 104.9609



18.9292, 19.3089, 20.5694



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

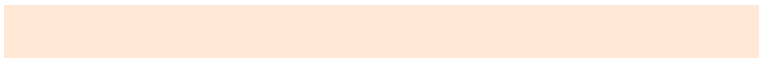
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6830, 74.3142, 75.2165



74.9412, 70.2668, 69.8751



82.3628, 84.0842, 75.5113



18.0452, 18.0014, 18.8552



21.5998, 11.1292, 1.2770



2.1151, 1.0884, 0.1877

Inverse Universe

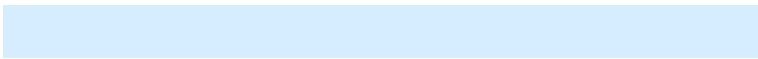
The Inverse Universe completely reimagines the original color for something new.



77.6830, 74.3142, 75.2165



74.9412, 70.2668, 69.8751



75.9382, 81.8268, 106.3995



18.0452, 18.0014, 18.8552



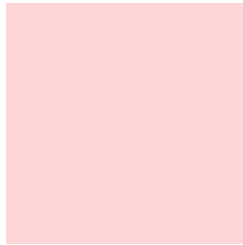
21.5998, 11.1292, 1.2770



2.1151, 1.0884, 0.1877

Previews

White Background



This preview shows how the XYZ color 77.6812, 74.3110, 75.2150 looks on a white background.

Color Contrast Check

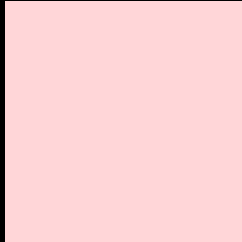
Large Text (above 18pt) WCAG AA × Fail

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 77.6812, 74.3110, 75.2150 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 77.6812, 74.3110, 75.2150

Background



This preview shows how black text looks on a background with the XYZ color 77.6812, 74.3110, 75.2150.



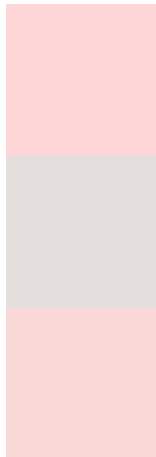
This preview shows how white text looks on a background with the XYZ color 77.6812, 74.3110,

75.2150.

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

77.6812, 74.3110, 75.2150

Protanopia

71.4337, 74.4898, 79.0196

Deuteranopia

76.0175, 74.2093, 75.2830



Tritanopia

79.0378, 74.4499, 83.6033

Trichromacy



Original Color

77.6812, 74.3110, 75.2150

Protanomaly

73.6393, 74.4780, 77.5123

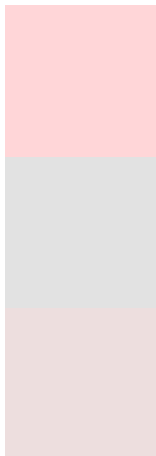
Deuteranomaly

76.4788, 74.0680, 75.2314

Tritanomaly

78.4888, 74.2303, 80.7121

Monochromacy



Original Color

77.6812, 74.3110, 75.2150

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

74.2311, 75.5210, 79.7719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6812, 74.3110, 75.2150 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, 214, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 216)  
}
```

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, 214, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 216) }
```

Border

The CSS property to change the border of an element to XYZ 77.6812, 74.3110, 75.2150 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, 214, 216) }
```


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

```
.border{ border-color:rgb(255, 214, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 214, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6812, 74.3110, 75.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 216) }
```

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

```
.background{ background-color: rgb(255,  
214, 216) }
```

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