

Converting Colors

XYZ(72.7835, 66.8251, 66.4622)

Have a look what the booklet for
XYZ(72.7835, 66.8251, 66.4622)
contains.

XYZ(72.7934, 66.9282, 66.2085)	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(72.7934, 66.9282,
66.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC8CC
RGB	255, 200, 204
RGB Percent	100%, 78%, 80%
CMY	0.0000, 0.2157, 0.2000
CMYK	0.00, 0.22, 0.20, 0.00
HSL	356°, 100%, 89%
HSV	356°, 22%, 100%
XYZ	72.7934, 66.9282, 66.2085
YIQ	216.9010, 31.4960, 12.9040

Conversions

Conversions Part 2

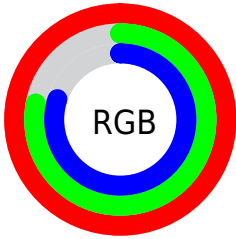
Format	Color
R _Y B	255, 200, 204
Decimal	16763084
CIE Lab	85.47, 20.10, 5.50
CIE LCh	85, 20.841, 15.316
Yxy	66.9282, 0.3535, 0.3250
Android (android.graphics.Color)	4294953164 (0xFFFFC8CC)
YUV	216.9010, -6.3602, 33.4128
Hunter-Lab	81.8097, 15.6606, 9.2834

Details

The XYZ color **72.7934, 66.9282, 66.2085** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.9944, 90.7656, 104.7323**, and the grayscale version is **65.9140, 69.3467, 75.5185**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0726, 34.7655, 33.5052** is the 20% darker color. If you saturate the color by 10%, you get **64.7484, 55.0378, 50.5800**, and if you desaturate by 10%, it is **82.2571, 80.9665, 84.4361**.

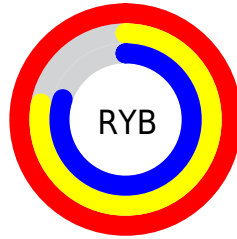
Distribution



Red (100%)

Green (78%)

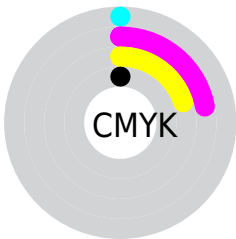
Blue (80%)



Red (100%)

Yellow (78%)

Blue (80%)

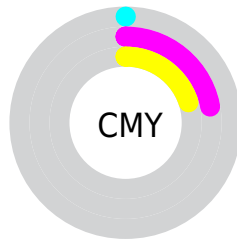


Cyan (0%)

Magenta (22%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7934, 66.9282, 66.2085 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 72.7934, 66.9282, 66.2085 by changing the saturation by 10% instead.


 72.7934, 66.9282,
66.2085

 72.7934, 66.9282,
66.2085


459.4133,
449.6892, 465.5467

 54.0948, 49.0263,
47.9841


122.1886,
114.8175, 115.4154

 38.9084, 34.6403,
33.4544

153.6159,
145.5737, 147.2350

 26.8689, 23.3859,
22.2008

190.0168,
181.3835, 184.4234

 17.6109, 14.8787,
13.8048


231.7568,
222.6311, 227.3992

 10.7690, 8.7343,
7.8478

279.2010,
269.7012, 276.5809

 5.9778, 4.5683,
3.9114

332.7150,

 2.8721, 1.9963,

322.9779, 332.3870

1.5768

392.6639,
382.8458, 395.2361

■ 1.0865, 0.6053,
0.2742

■ 0.0138, 0.0000,
0.0000

■ 72.7934, 66.9282,
66.2085

■ 72.7934, 66.9282,
66.2085

■ 64.7484, 55.0378,
50.5800

■ 82.2571, 80.9665,
84.4361

■ 58.0492, 45.1811,
37.4283

■ 93.1985, 97.2420,
105.3694

■ 52.6236, 37.2469,
26.6274

95.0500, 100.0000,
108.9000

■ 48.3908, 31.1095,
18.0386

■ 45.2604, 26.6285,
11.5086

■ 43.1295, 23.6426,
6.8645

■ 41.8750, 21.9581,
3.9049

■ 41.3535, 21.3054,
2.5278

Harmonies

Analogous

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



72.8218, 66.9282, 79.6769



72.7934, 66.9282, 66.2085



70.2247, 66.9282, 55.8805

Triad

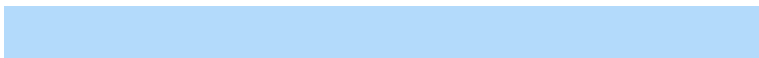
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7934, 66.9282, 66.2085



57.3642, 66.9282, 56.0506



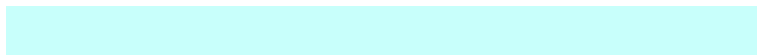
61.3357, 66.9282, 101.0815

Complementary

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



72.7934, 66.9282, 66.2085



76.9944, 90.7656, 104.7323

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.



57.4303, 66.9282, 93.0032



72.7934, 66.9282, 66.2085



55.2157, 66.9282, 66.4687

Square

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



72.7934, 66.9282, 66.2085



61.2414, 66.9282, 50.5299



55.2393, 66.9282, 79.9713



66.0456, 66.9282, 100.9892

Rectangle

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



72.7934, 66.9282, 66.2085



67.4871, 66.9282, 51.6783



55.2393, 66.9282, 79.9713



59.8905, 66.9282, 99.1915

Sweetspot

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



72.7950, 66.9311, 66.2099



88.1609, 89.7433, 95.7472



78.2797, 68.9326, 103.7873



18.7166, 18.9805, 20.2003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

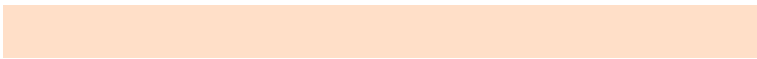
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7950, 66.9311, 66.2099



69.0565, 61.3996, 58.9663



78.0324, 78.1632, 65.6216



18.0629, 18.0085, 18.9484



21.6273, 11.1402, 1.4221



2.1235, 1.0918, 0.2318

Inverse Universe

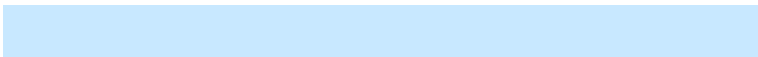
The Inverse Universe completely reimagines the original color for something new.



72.7950, 66.9311, 66.2099



69.0565, 61.3996, 58.9663



70.7519, 77.2618, 105.7917



18.0629, 18.0085, 18.9484



21.6273, 11.1402, 1.4221



2.1235, 1.0918, 0.2318

Previews

White Background



This preview shows how the XYZ color 72.7934, 66.9282, 66.2085 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 72.7934, 66.9282, 66.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

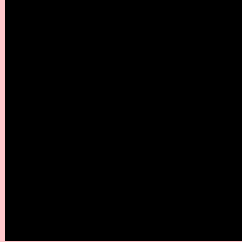
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7934, 66.9282, 66.2085

Background



This preview shows how black text looks on a background with the XYZ color 72.7934, 66.9282, 66.2085.



This preview shows how white text looks on a background with the XYZ color 72.7934, 66.9282,

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

72.7934, 66.9282, 66.2085

Protanopia

64.4656, 67.1971, 71.2006

Deuteranopia

68.6889, 67.2882, 65.8675



Tritanopia

73.8010, 66.9619, 72.6535

Trichromacy



Original Color

72.7934, 66.9282, 66.2085

Protanomaly

66.8960, 66.6547, 69.0144

Deuteranomaly

70.0285, 66.9100, 65.7239

Tritanomaly

73.2963, 66.7600, 69.9956

Monochromacy



Original Color

72.7934, 66.9282, 66.2085

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

68.1329, 68.3309, 71.8855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7934, 66.9282, 66.2085 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, 200, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 204)  
}
```

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, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 204) }
```

Border

The CSS property to change the border of an element to XYZ 72.7934, 66.9282, 66.2085 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, 200, 204) }
```


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

```
.border{ border-color:rgb(255, 200, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7934, 66.9282, 66.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 204) }
```

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

```
.background{ background-color: rgb(255,  
200, 204) }
```

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