

Converting Colors

XYZ(72.7156, 68.8102, 59.9012)

Have a look what the booklet for
XYZ(72.7156, 68.8102, 59.9012)
contains.

XYZ(72.6970, 68.7729, 59.8950)	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(72.6970, 68.7729,
59.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDC1
RGB	255, 205, 193
RGB Percent	100%, 80%, 76%
CMY	0.0000, 0.1961, 0.2431
CMYK	0.00, 0.20, 0.24, 0.00
HSL	12°, 100%, 88%
HSV	12°, 24%, 100%
XYZ	72.6970, 68.7729, 59.8950
YIQ	218.5820, 33.6520, 6.8680

Conversions

Conversions Part 2

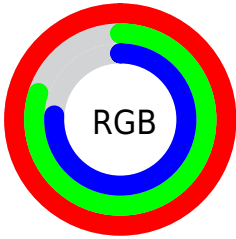
Format	Color
R _Y B	255, 208, 193
Decimal	16764353
CIE Lab	86.39, 15.92, 12.66
CIE LCh	86, 20.340, 38.507
Yxy	68.7729, 0.3610, 0.3415
Android (android.graphics.Color)	4294954433 (0xFFFFCDC1)
YUV	218.5820, -12.6119, 31.9386
Hunter-Lab	82.9294, 11.3489, 15.2290

Details

The XYZ color **72.6970, 68.7729, 59.8950** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.0919, 82.6560, 106.7623**, and the grayscale version is **67.1121, 70.6071, 76.8912**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **38.7528, 35.8676, 29.3067** is the 20% darker color. If you saturate the color by 10%, you get **65.4943, 58.5343, 44.6491**, and if you desaturate by 10%, it is **81.0398, 80.5067, 77.9423**.

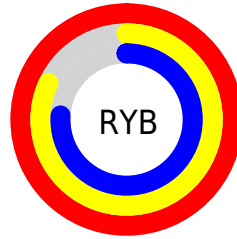
Distribution



Red (100%)

Green (80%)

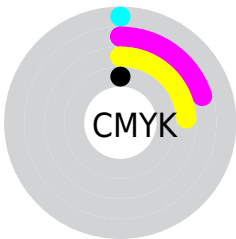
Blue (76%)



Red (100%)

Yellow (82%)

Blue (76%)

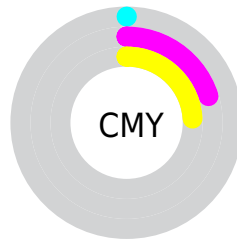


Cyan (0%)

Magenta (20%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6970, 68.7729, 59.8950 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 72.6970, 68.7729, 59.8950 by changing the saturation by 10% instead.


 72.6970, 68.7729,
59.8950

 72.6970, 68.7729,
59.8950


459.0841,
456.2296, 442.0045

 54.0157, 50.5268,
42.9093


 122.0524,
117.4572, 106.2192

 38.8450, 35.8321,
29.4831

153.4573,
148.6641, 136.3948

 26.8193, 24.3046,
19.1978


189.8341,
184.9600, 171.8040

 17.5735, 15.5597,
11.6351

231.5481,
226.7295, 212.8655

 10.7420, 9.2131,
6.3762

278.9648,
274.3568, 259.9978

 5.9596, 4.8805,
3.0027

332.4494,

 2.8610, 2.1773,

328.2263, 313.6193

1.0960

392.3674,
388.7224, 374.1487

■ 1.0807, 0.7076,
0.0000

■ 0.0089, 0.0000,
0.0000

■ 72.6970, 68.7729,
59.8950

■ 72.6970, 68.7729,
59.8950

■ 65.4943, 58.5343,
44.6491

■ 81.0398, 80.5067,
77.9423

■ 59.3768, 49.7215,
32.0595

■ 90.5650, 93.7831,
98.9178

■ 54.2920, 42.2735,
21.9744

95.0500, 100.0000,
108.9000

■ 50.1812, 36.1209,
14.2251

■ 46.9792, 31.1884,
8.6214

■ 44.6126, 27.3924,
4.9435

■ 42.9951, 24.6380,
2.9230

■ 42.3541, 23.4882,
2.3014

Harmonies

Analogous

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



74.7185, 68.7729, 71.1178



72.6970, 68.7729, 59.8950



68.7341, 68.7729, 53.2880

Triad

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



72.6970, 68.7729, 59.8950



57.3127, 68.7729, 65.7935



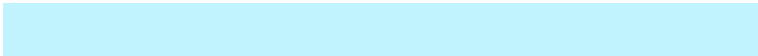
66.7127, 68.7729, 103.5084

Complementary

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



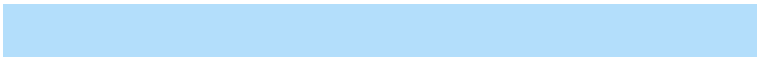
72.6970, 68.7729, 59.8950



72.0919, 82.6560, 106.7623

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.



62.1109, 68.7729, 101.6398



72.6970, 68.7729, 59.8950



56.8295, 68.7729, 78.7767

Square

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



72.6970, 68.7729, 59.8950



59.8995, 68.7729, 56.3988



58.5463, 68.7729, 92.1811



71.1566, 68.7729, 97.0176

Rectangle

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



72.6970, 68.7729, 59.8950



65.6023, 68.7729, 51.8732



58.5463, 68.7729, 92.1811



65.1314, 68.7729, 103.8513

Sweetspot

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



72.6986, 68.7759, 59.8964



87.8869, 90.0609, 92.9871



76.5838, 65.9100, 93.9821



18.6852, 19.1011, 19.6243



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

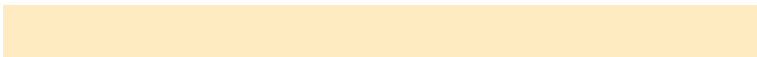
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6986, 68.7759, 59.8964



69.1835, 63.7940, 52.4101



80.6794, 84.7374, 62.5567



18.2940, 18.5562, 18.7618



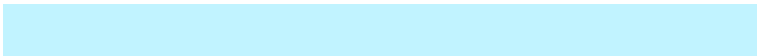
22.2113, 12.4339, 1.2293



2.2338, 1.3530, 0.1434

Inverse Universe

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



72.0919, 82.6560, 106.7623



68.4788, 79.7718, 106.3960



63.7451, 65.9624, 103.9800



18.2384, 19.8484, 23.1198



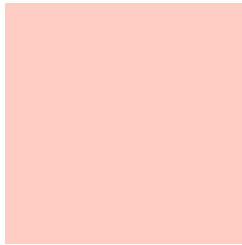
21.0232, 26.9560, 53.5296



2.1200, 2.7706, 5.2363

Previews

White Background



This preview shows how the XYZ color 72.6970, 68.7729, 59.8950 looks on a white background.

Color Contrast Check

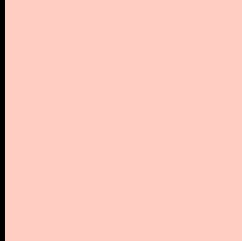
Large Text (above 18pt) WCAG AA × Fail

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 72.6970, 68.7729, 59.8950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

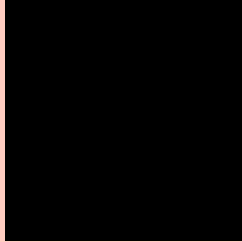
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.6970, 68.7729, 59.8950

Background



This preview shows how black text looks on a background with the XYZ color 72.6970, 68.7729, 59.8950.



This preview shows how white text looks on a background with the XYZ color 72.6970, 68.7729,

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

72.6970, 68.7729, 59.8950

Protanopia

65.9160, 69.2428, 63.9239

Deuteranopia

70.3209, 68.9995, 59.4811



Tritanopia

75.1203, 68.9816, 75.0012

Trichromacy



Original Color

72.6970, 68.7729, 59.8950

Protanomaly

68.2136, 68.9511, 62.5370

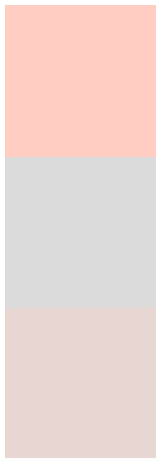
Deuteranomaly

71.1372, 69.0573, 59.4492

Tritanomaly

74.2180, 68.9998, 69.0811

Monochromacy



Original Color

72.6970, 68.7729, 59.8950

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

68.9581, 69.9021, 70.8307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6970, 68.7729, 59.8950 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, 205, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 193)  
}
```

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, 205, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 193) }
```

Border

The CSS property to change the border of an element to XYZ 72.6970, 68.7729, 59.8950 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, 205, 193) }
```


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

```
.border{ border-color:rgb(255, 205, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6970, 68.7729, 59.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 193) }
```

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

```
.background{ background-color: rgb(255,  
205, 193) }
```

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