

Converting Colors

XYZ(84.6746, 74.0063, 63.1691)

Have a look what the booklet for
XYZ(84.6746, 74.0063, 63.1691)
contains.

XYZ(72.7890, 68.0491, 62.7245)	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(72.7890, 68.0491,
62.7245)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBC6
RGB	255, 203, 198
RGB Percent	100%, 80%, 78%
CMY	0.0000, 0.2039, 0.2235
CMYK	0.00, 0.20, 0.22, 0.00
HSL	5°, 100%, 89%
HSV	5°, 22%, 100%
XYZ	72.7890, 68.0491, 62.7245
YIQ	217.9780, 32.5970, 9.4690

Conversions

Conversions Part 2

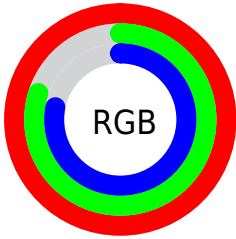
Format	Color
R _Y B	255, 203, 198
Decimal	16763846
CIE Lab	86.03, 17.66, 9.50
CIE LCh	86, 20.057, 28.277
Yxy	68.0491, 0.3576, 0.3343
Android (android.graphics.Color)	4294953926 (0xFFFFCBC6)
YUV	217.9780, -9.8492, 32.4683
Hunter-Lab	82.4919, 13.1436, 12.6619

Details

The XYZ color **72.7890, 68.0491, 62.7245** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.5232, 87.5943, 107.5346**, and the grayscale version is **66.6769, 70.1493, 76.3925**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8074, 35.3788, 31.1690** is the 20% darker color. If you saturate the color by 10%, you get **65.0045, 56.7976, 46.8197**, and if you desaturate by 10%, it is **81.8961, 81.1530, 81.5148**.

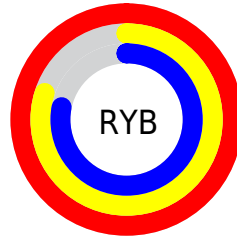
Distribution



Red (100%)

Green (80%)

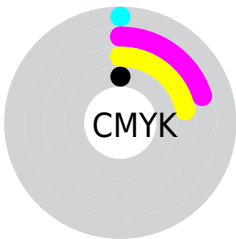
Blue (78%)



Red (100%)

Yellow (80%)

Blue (78%)

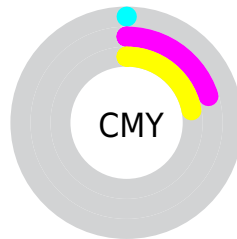


Cyan (0%)

Magenta (20%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7890, 68.0491, 62.7245 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 72.7890, 68.0491, 62.7245 by changing the saturation by 10% instead.


 72.7890, 68.0491,
62.7245

 72.7890, 68.0491,
62.7245

459.3983,
453.6700, 452.6493

 54.0912, 49.9377,
45.1788


122.1824,
116.4224, 110.3537

 38.9055, 35.3639,
31.2543


153.6087,
147.4530, 141.2743

 26.8667, 23.9433,
20.5325

190.0085,
183.5589, 177.4902

 17.6092, 15.2916,
12.5948


231.7472,
225.1243, 219.4200

 10.7677, 9.0243,
7.0227

279.1902,
272.5338, 267.4823

 5.9770, 4.7570,
3.3976

332.7028,

 2.8716, 2.1054,

326.1716, 322.0956

1.3011

392.6504,
386.4222, 383.6784

■ 1.0862, 0.6677,
0.0627

■ 0.0136, 0.0000,
0.0000

■ 72.7890, 68.0491,
62.7245

■ 72.7890, 68.0491,
62.7245

■ 65.0045, 56.7976,
46.8197

■ 81.8961, 81.1530,
81.5148

■ 58.4765, 47.3064,
33.6534

■ 92.3783, 96.1780,
103.3191

■ 53.1402, 39.4891,
23.0722

95.0500, 100.0000,
108.9000

■ 48.9233, 33.2483,
14.9057

■ 45.7455, 28.4767,
8.9632

■ 43.5157, 25.0535,
5.0250

■ 42.1267, 22.8385,
2.8267

■ 41.5344, 21.8488,
2.0281

Harmonies

Analogous

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



73.9332, 68.0491, 74.8584



72.7890, 68.0491, 62.7245



69.4441, 68.0491, 54.5597

Triad

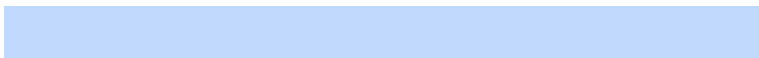
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7890, 68.0491, 62.7245



57.4397, 68.0491, 61.5510



64.4130, 68.0491, 102.4225

Complementary

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



72.7890, 68.0491, 62.7245



75.5232, 87.5943, 107.5346

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.



60.1363, 68.0491, 97.8094



72.7890, 68.0491, 62.7245



56.2305, 68.0491, 73.3347

Square

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



72.7890, 68.0491, 62.7245



60.5763, 68.0491, 53.9408



57.1943, 68.0491, 86.7603



68.9621, 68.0491, 98.7290

Rectangle

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



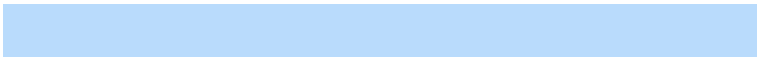
72.7890, 68.0491, 62.7245



66.4933, 68.0491, 51.9462



57.1943, 68.0491, 86.7603



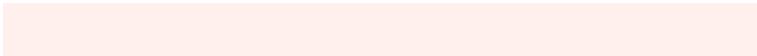
62.8973, 68.0491, 101.7821

Sweetspot

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



72.7906, 68.0521, 62.7259



87.3318, 88.9508, 92.8021



78.7290, 68.5667, 99.7335



18.5571, 18.8449, 19.5816



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.



72.7906, 68.0521, 62.7259



69.0114, 62.5967, 54.9831



80.0793, 82.6295, 65.1555



18.1376, 18.2433, 18.7097



21.7460, 11.5033, 1.0742



2.1589, 1.2031, 0.1184

Inverse Universe

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



75.5232, 87.5943, 107.5346



72.1978, 85.4012, 107.2866



67.3943, 71.3363, 104.8250



18.4104, 20.1925, 23.1772



24.6561, 34.2217, 54.7405



2.4391, 3.4088, 5.3427

Previews

White Background



This preview shows how the XYZ color 72.7890, 68.0491, 62.7245 looks on a white background.

Color Contrast Check

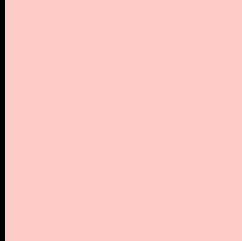
Large Text (above 18pt) WCAG AA × Fail

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 72.7890, 68.0491, 62.7245 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 72.7890, 68.0491, 62.7245

Background



This preview shows how black text looks on a background with the XYZ color 72.7890, 68.0491, 62.7245.



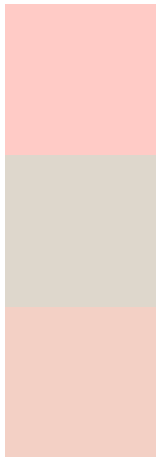
This preview shows how white text looks on a background with the XYZ color 72.7890, 68.0491,

62.7245.

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

72.7890, 68.0491, 62.7245

Protanopia

65.3237, 68.4901, 66.9037

Deuteranopia

69.5961, 68.1977, 62.3187



Tritanopia

74.5213, 67.9912, 74.1617

Trichromacy



Original Color

72.7890, 68.0491, 62.7245

Protanomaly

67.8866, 68.3452, 65.4911

Deuteranomaly

70.5071, 67.9480, 62.2225

Tritanomaly

73.8692, 68.1045, 69.5738

Monochromacy



Original Color

72.7890, 68.0491, 62.7245

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.5071, 69.2806, 71.3898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7890, 68.0491, 62.7245 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, 203, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 198)  
}
```

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, 203, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 198) }
```

Border

The CSS property to change the border of an element to XYZ 72.7890, 68.0491, 62.7245 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, 203, 198) }
```


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

```
.border{ border-color:rgb(255, 203, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7890, 68.0491, 62.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 198) }
```

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

```
.background{ background-color: rgb(255,  
203, 198) }
```

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