

# Converting Colors

XYZ(98.0080, 80.6912, 61.6702)

Have a look what the booklet for XYZ(98.0080, 80.6912, 61.6702) contains.

- XYZ(72.0981, 67.3961, 60.2477) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(72.0981, 67.3961,  
60.2477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCAC2
RGB	255, 202, 194
RGB Percent	100%, 79%, 76%
CMY	0.0000, 0.2078, 0.2392
CMYK	0.00, 0.21, 0.24, 0.00
HSL	8°, 100%, 88%
HSV	8°, 24%, 100%
XYZ	72.0981, 67.3961, 60.2477
YIQ	216.9350, 34.1560, 8.7480

# Conversions

## Conversions Part 2

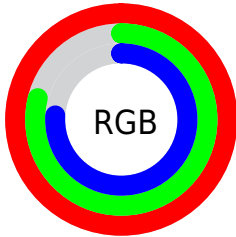
Format	Color
R <sub>Y</sub> B	255, 203, 194
Decimal	16763586
CIE Lab	85.70, 17.62, 11.16
CIE LCh	86, 20.858, 32.338
Yxy	67.3961, 0.3610, 0.3374
Android (android.graphics.Color)	4294953666 (0xFFFFCAC2)
YUV	216.9350, -11.3070, 33.3830
Hunter-Lab	82.0951, 13.0969, 13.9550

# Details

The XYZ color **72.0981, 67.3961, 60.2477** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.5578, 85.2081, 107.1776**, and the grayscale version is **65.9689, 69.4044, 75.5814**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **38.3495, 34.9436, 29.5345** is the 20% darker color. If you saturate the color by 10%, you get **64.6462, 56.6890, 44.8260**, and if you desaturate by 10%, it is **80.7910, 79.7983, 78.5090**.

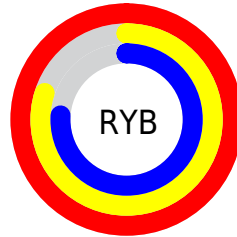
# Distribution



Red (100%)

Green (79%)

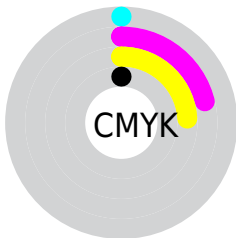
Blue (76%)



Red (100%)

Yellow (80%)

Blue (76%)

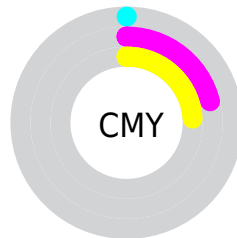


Cyan (0%)

Magenta (21%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0981, 67.3961, 60.2477 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 72.0981, 67.3961, 60.2477 by changing the saturation by 10% instead.





 72.0981, 67.3961,  
60.2477

 72.0981, 67.3961,  
60.2477


457.0353,  
451.3534, 443.3401

 53.5246, 49.4066,  
43.1917


 121.2060,  
115.4878, 106.7358

 38.4508, 34.9421,  
29.7031


152.4712,  
146.3588, 137.0050

 26.5116, 23.6183,  
19.3632


188.6975,  
182.2924, 172.5157

 17.3414, 15.0507,  
11.7535

230.2505,  
223.6730, 213.6863

 10.5750, 8.8550,  
6.4556

277.4954,  
270.8850, 260.9356

 5.8470, 4.6467,  
3.0508

330.7976,

 2.7921, 2.0415,

324.3128, 314.6820

1.1206

390.5224,  
384.3408, 375.3440

■ 1.0448, 0.6314,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.0981, 67.3961,  
60.2477

■ 72.0981, 67.3961,  
60.2477

■ 64.6462, 56.6890,  
44.8260

■ 80.7910, 79.7983,  
78.5090

■ 58.3736, 47.5944,  
32.0972

■ 90.7729, 93.9551,  
99.7383

■ 53.2207, 40.0367,  
21.9075

95.0500, 100.0000,  
108.9000

■ 49.1208, 33.9306,  
14.0859

■ 45.9997, 29.1822,  
8.4404

■ 43.7736, 25.6868,  
4.7489

■ 42.3436, 23.3234,  
2.7410

■ 41.7968, 22.3736,  
2.1156

# Harmonies

## Analogous

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



73.6351, 67.3961, 72.3197



72.0981, 67.3961, 60.2477



68.3973, 67.3961, 52.5472

# Triad

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



72.0981, 67.3961, 60.2477



56.2960, 67.3961, 61.8849



64.4318, 67.3961, 102.7803

# Complementary

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



72.0981, 67.3961, 60.2477



73.5578, 85.2081, 107.1776

# 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.



59.9062, 67.3961, 99.1056



72.0981, 67.3961, 60.2477



55.3495, 67.3961, 74.4565

# Square

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



72.0981, 67.3961, 60.2477



59.2904, 67.3961, 53.4070



56.6390, 67.3961, 88.3006



69.0745, 67.3961, 97.8059



# Rectangle

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



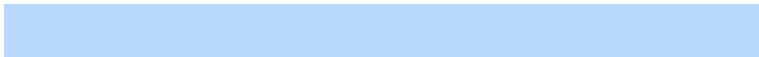
72.0981, 67.3961, 60.2477



65.2848, 67.3961, 50.3695



56.6390, 67.3961, 88.3006



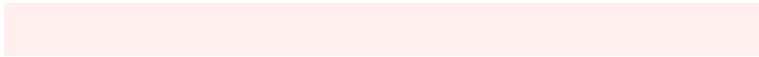
62.8466, 67.3961, 102.5152

# Sweetspot

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



72.0998, 67.3991, 60.2491



87.5589, 89.4050, 92.8777



77.4573, 66.6143, 97.4876



18.6095, 18.9497, 19.5991



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.



72.0998, 67.3991, 60.2491



68.1629, 61.7528, 52.0699



79.7268, 82.6531, 62.7914



18.2015, 18.3711, 18.7310



21.8985, 11.8083, 1.1250



2.1889, 1.2632, 0.1285



# Inverse Universe

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



73.5578, 85.2081, 107.1776



69.8597, 82.5336, 106.8563



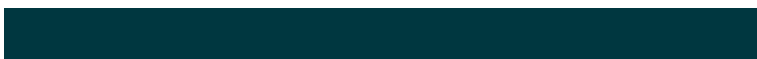
65.2105, 68.5136, 104.3952



18.3396, 20.0507, 23.1535



23.0954, 31.1004, 54.2203



2.3028, 3.1363, 5.2973



# Previews

## White Background



This preview shows how the XYZ color 72.0981, 67.3961, 60.2477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

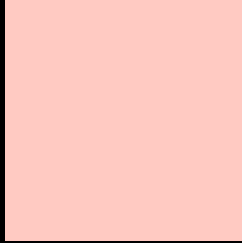
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0981, 67.3961, 60.2477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

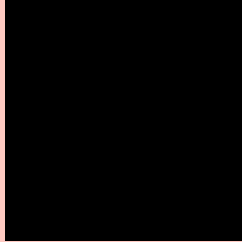
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.0981, 67.3961, 60.2477**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0981, 67.3961, 60.2477.



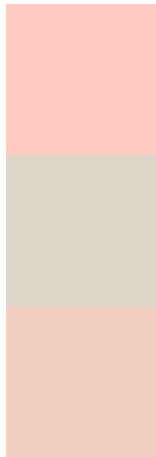
This preview shows how white text looks on a background with the XYZ color 72.0981, 67.3961,



# 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

72.0981, 67.3961, 60.2477

### Protanopia

64.5961, 67.7929, 64.3243

### Deuteranopia

68.9006, 67.5306, 59.8553



## Tritanopia

74.0319, 67.4236, 72.7305

# Trichromacy



## Original Color

72.0981, 67.3961, 60.2477

## Protanomaly

67.1713, 67.6628, 62.9460

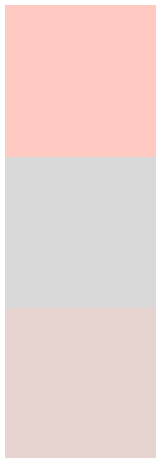
## Deuteranomaly

69.8147, 67.2871, 59.7601

## Tritanomaly

73.3891, 67.5383, 68.1996

# Monochromacy



## Original Color

72.0981, 67.3961, 60.2477

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

68.0071, 68.6793, 69.9937

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0981, 67.3961, 60.2477 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, 202, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 194)  
}
```

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, 202, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0981, 67.3961, 60.2477 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, 202, 194) }
```



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

```
.border{ border-color:rgb(255, 202, 194) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0981, 67.3961, 60.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 194) }
```

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

```
.background{ background-color: rgb(255,  
202, 194) }
```

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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