

# Converting Colors

XYZ(73.9071, 64.8600, 56.4842)

Have a look what the booklet for  
XYZ(73.9071, 64.8600, 56.4842)  
contains.

<b>XYZ(69.0561, 62.1957, 56.5094)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.0561, 62.1957,  
56.5094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFBD
RGB	255, 191, 189
RGB Percent	100%, 75%, 74%
CMY	0.0000, 0.2510, 0.2588
CMYK	0.00, 0.25, 0.26, 0.00
HSL	2°, 100%, 87%
HSV	2°, 26%, 100%
XYZ	69.0561, 62.1957, 56.5094
YIQ	209.9080, 38.7860, 12.9460

# Conversions

## Conversions Part 2

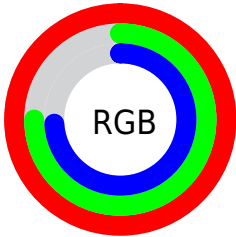
Format	Color
R <sub>Y</sub> B	255, 191, 189
Decimal	16760765
CIE Lab	83.02, 22.70, 9.99
CIE LCh	83, 24.799, 23.768
Yxy	62.1957, 0.3678, 0.3312
Android (android.graphics.Color)	4294950845 (0xFFFFBFBD)
YUV	209.9080, -10.3076, 39.5457
Hunter-Lab	78.8643, 18.2880, 12.7213

# Details

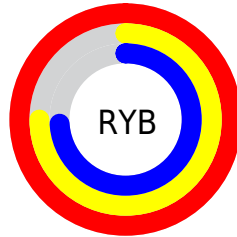
The XYZ color **69.0561, 62.1957, 56.5094** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.1603, 88.2864, 107.7401**, and the grayscale version is **61.2472, 64.4368, 70.1717**.

A 20% lighter version of the original color is **91.2888, 94.9874, 99.9092**, and **36.4156, 31.5392, 27.4609** is the 20% darker color. If you saturate the color by 10%, you get **61.5832, 51.2970, 41.5418**, and if you desaturate by 10%, it is **77.9289, 75.1150, 74.3459**.

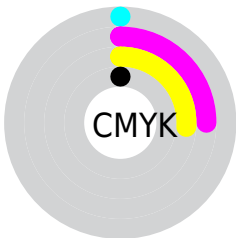
# Distribution



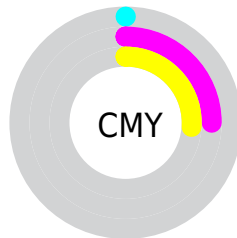
- Red (100%)
- Green (75%)
- Blue (74%)



- Red (100%)
- Yellow (75%)
- Blue (74%)



- Cyan (0%)
- Magenta (25%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0561, 62.1957, 56.5094 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 69.0561, 62.1957, 56.5094 by changing the saturation by 10% instead.




 69.0561, 62.1957,  
56.5094

 69.0561, 62.1957,  
56.5094


446.5471,  
432.6446, 429.0505

 51.0342, 45.1908,  
40.2048


 116.8953,  
108.0083, 101.2422

 36.4570, 31.6078,  
27.3832


147.4434,  
137.5849, 130.5074

 24.9591, 21.0621,  
17.6263

182.8975,  
172.1208, 164.9299

 16.1751, 13.1694,  
10.5153

223.6231,  
212.0005, 204.9283

 9.7398, 7.5453,  
5.6319

269.9855,  
257.6083, 250.9209

 5.2877, 3.8054,  
2.5574

322.3501,

 2.4535, 1.5653,

309.3287, 303.3265

0.8704

381.0821,  
367.5460, 362.5635

■ 0.8719, 0.3340,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.0561, 62.1957,  
56.5094

■ 69.0561, 62.1957,  
56.5094

■ 61.5832, 51.2970,  
41.5418

■ 77.9289, 75.1150,  
74.3459

■ 55.4345, 42.3090,  
29.2900

■ 88.2632, 90.1409,  
95.1861

■ 50.5342, 35.1241,  
19.5922

95.0500, 100.0000,  
108.9000

■ 46.7966, 29.6206,  
12.2680

■ 44.1257, 25.6619,  
7.1136

■ 42.4098, 23.0901,  
3.8908

■ 41.5127, 21.7133,  
2.3048

■ 41.3241, 21.4282,  
1.9580

# Harmonies

## Analogous

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



69.9618, 62.1957, 70.9752



69.0561, 62.1957, 56.5094



65.4173, 62.1957, 46.5962

# Triad

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



69.0561, 62.1957, 56.5094



51.1867, 62.1957, 51.7322



58.0035, 62.1957, 101.4977

# Complementary

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



69.0561, 62.1957, 56.5094



74.1603, 88.2864, 107.7401

# 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.



53.2313, 62.1957, 94.4233



69.0561, 62.1957, 56.5094



49.4518, 62.1957, 64.5670

# Square

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



69.0561, 62.1957, 56.5094



55.0586, 62.1957, 44.1435



50.1772, 62.1957, 80.3243



63.3662, 62.1957, 98.4787



# Rectangle

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



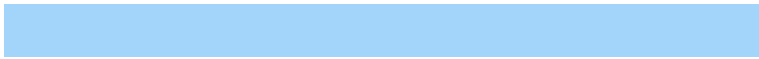
69.0561, 62.1957, 56.5094



62.0427, 62.1957, 43.1538



50.1772, 62.1957, 80.3243



56.2812, 62.1957, 100.1911

# Sweetspot

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



69.0576, 62.1985, 56.5107



85.9489, 86.7776, 90.5144



77.3113, 64.8051, 102.1159



18.0536, 18.0754, 18.6817



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.



69.0576, 62.1985, 56.5107



65.0619, 56.3734, 48.5004



76.8400, 77.7633, 59.1048



18.0536, 18.0754, 18.6817



21.6118, 11.2349, 1.0295



2.1192, 1.1237, 0.1052



# Inverse Universe

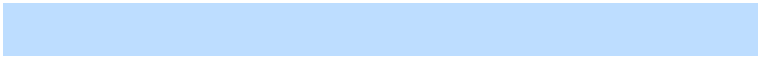
The Inverse Universe completely reimagines the original color for something new.



74.1603, 88.2864, 107.7401



70.9419, 86.4417, 107.5536



64.8668, 69.6995, 104.6422



18.5048, 20.3812, 23.2086



26.8727, 38.6550, 55.4794

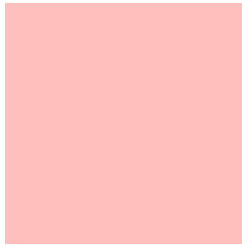


2.6308, 3.7923, 5.4066



# Previews

## White Background



This preview shows how the XYZ color 69.0561, 62.1957, 56.5094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

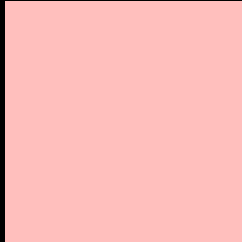
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0561, 62.1957, 56.5094 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 69.0561, 62.1957, 56.5094

## Background



This preview shows how black text looks on a background with the XYZ color 69.0561, 62.1957, 56.5094.



This preview shows how white text looks on a background with the XYZ color 69.0561, 62.1957,



# 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

69.0561, 62.1957, 56.5094

### Protanopia

59.5899, 62.3200, 61.7116

### Deuteranopia

63.5556, 62.3888, 55.7062



## Tritanopia

70.2171, 61.9670, 64.7599

# Trichromacy



## Original Color

69.0561, 62.1957, 56.5094

## Protanomaly

62.6192, 62.1623, 59.7371

## Deuteranomaly

65.6613, 62.4406, 56.1685

## Tritanomaly

69.8465, 62.1641, 61.7436

# Monochromacy



## Original Color

69.0561, 62.1957, 56.5094

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

63.3806, 63.1449, 64.7248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0561, 62.1957, 56.5094 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, 191, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 189)  
}
```

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, 191, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0561, 62.1957, 56.5094 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, 191, 189) }
```



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

```
.border{ border-color:rgb(255, 191, 189) }
```

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

Here you see how a box with a 4 pixel rgb(255, 191, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0561, 62.1957, 56.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 189) }
```

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

```
.background{ background-color: rgb(255,  
191, 189) }
```

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