

# Converting Colors

XYZ(68.6398, 62.7065, 52.2288)

Have a look what the booklet for  
XYZ(68.6398, 62.7065, 52.2288)  
contains.

<b>XYZ(68.6505, 62.7361, 52.2071)</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(68.6505, 62.7361,  
52.2071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC1B5
RGB	255, 193, 181
RGB Percent	100%, 76%, 71%
CMY	0.0000, 0.2431, 0.2902
CMYK	0.00, 0.24, 0.29, 0.00
HSL	10°, 100%, 85%
HSV	10°, 29%, 100%
XYZ	68.6505, 62.7361, 52.2071
YIQ	210.1700, 40.8040, 9.4120

# Conversions

## Conversions Part 2

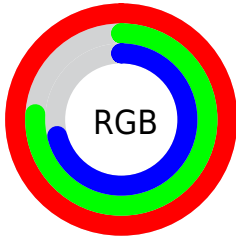
Format	Color
R <sub>Y</sub> B	255, 195, 181
Decimal	16761269
CIE Lab	83.30, 20.58, 14.67
CIE LCh	83, 25.277, 35.489
Yxy	62.7361, 0.3739, 0.3417
Android (android.graphics.Color)	4294951349 (0xFFFFC1B5)
YUV	210.1700, -14.3808, 39.3159
Hunter-Lab	79.2061, 16.1010, 16.3645

# Details

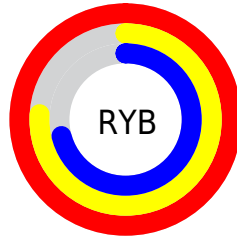
The XYZ color **68.6505, 62.7361, 52.2071** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.1556, 81.1423, 106.6249**, and the grayscale version is **61.4442, 64.6441, 70.3975**.

A 20% lighter version of the original color is **90.7117, 95.7456, 93.8205**, and **36.1549, 31.8941, 24.6727** is the 20% darker color. If you saturate the color by 10%, you get **61.8833, 53.0128, 38.2025**, and if you desaturate by 10%, it is **76.5818, 74.0210, 68.9637**.

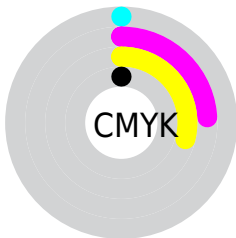
# Distribution



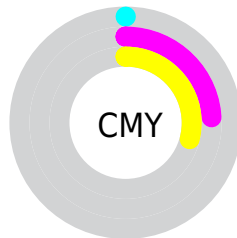
- Red (100%)
- Green (76%)
- Blue (71%)



- Red (100%)
- Yellow (76%)
- Blue (71%)



- Cyan (0%)
- Magenta (24%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6505, 62.7361, 52.2071 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 68.6505, 62.7361, 52.2071 by changing the saturation by 10% instead.





 68.6505, 62.7361,  
52.2071

 68.6505, 62.7361,  
52.2071


445.1380,  
434.6111, 412.2153

 50.7027, 45.6277,  
36.7868


 116.3191,  
108.7887, 94.8663

 36.1922, 31.9522,  
24.7480


146.7705,  
138.5017, 122.9423

 24.7534, 21.3250,  
15.6721

182.1207,  
173.1851, 156.0739

 16.0212, 13.3618,  
9.1406

222.7348,  
213.2232, 194.6796

 9.6301, 7.6781,  
4.7349

268.9782,  
259.0005, 239.1781

 5.2148, 3.8897,  
2.0366

321.2163,

 2.4099, 1.6120,

310.9013, 289.9879

0.5776

379.8145,  
369.3100, 347.5274

■ 0.8500, 0.3657,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.6505, 62.7361,  
52.2071

■ 68.6505, 62.7361,  
52.2071

■ 61.8833, 53.0128,  
38.2025

■ 76.5818, 74.0210,  
68.9637

■ 56.2204, 44.7739,  
26.7987

■ 85.7242, 86.9233,  
88.6048

■ 51.6035, 37.9483,  
17.8356

95.0500, 100.0000,  
108.9000

■ 47.9669, 32.4557,  
11.1339

■ 45.2372, 28.2077,  
6.4893

■ 43.3300, 25.1046,  
3.6606

■ 42.1346, 23.0272,  
2.2958

■ 42.0457, 22.8715,  
2.1986

# Harmonies

## Analogous

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



70.7746, 62.7361, 65.4555



68.6505, 62.7361, 52.2071



64.1197, 62.7361, 44.3131

# Triad

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



68.6505, 62.7361, 52.2071



50.5240, 62.7361, 56.5104



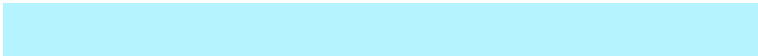
60.6450, 62.7361, 103.0674

# Complementary

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



68.6505, 62.7361, 52.2071



69.1556, 81.1423, 106.6249

# 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.



55.3526, 62.7361, 99.7006



68.6505, 62.7361, 52.2071



49.7192, 62.7361, 71.2441

# Square

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



68.6505, 62.7361, 52.2071



53.7037, 62.7361, 46.5175



51.4342, 62.7361, 87.4217



65.9744, 62.7361, 96.0229



# Rectangle

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



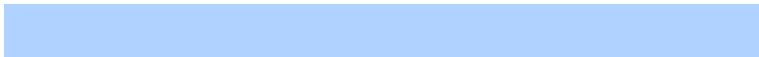
68.6505, 62.7361, 52.2071



60.4635, 62.7361, 42.3693



51.4342, 62.7361, 87.4217



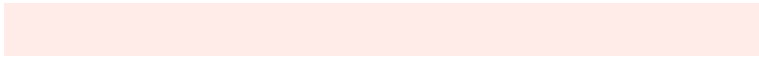
58.8018, 62.7361, 103.1266

# Sweetspot

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



68.6520, 62.7389, 52.2084



85.7428, 86.9494, 88.6450



74.0782, 60.8340, 93.3463



18.0512, 18.1868, 18.3224



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.



68.6520, 62.7389, 52.2084



64.4675, 56.7390, 43.5102



77.6278, 80.6905, 55.2003



18.2474, 18.4629, 18.7463



22.0395, 12.0902, 1.1720

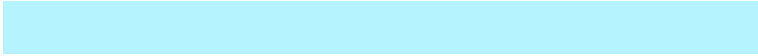


2.2104, 1.3061, 0.1356

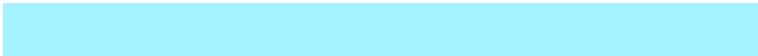


# Inverse Universe

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



69.1556, 81.1423, 106.6249



65.0372, 77.9274, 106.2214



59.3953, 61.6216, 103.3714



18.2892, 19.9500, 23.1367



22.0411, 28.9918, 53.8689



2.2101, 2.9509, 5.2664



# Previews

## White Background



This preview shows how the XYZ color 68.6505, 62.7361, 52.2071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

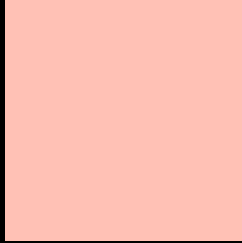
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6505, 62.7361, 52.2071 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 68.6505, 62.7361, 52.2071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6505, 62.7361, 52.2071.



This preview shows how white text looks on a background with the XYZ color 68.6505, 62.7361,



# 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

68.6505, 62.7361, 52.2071

### Protanopia

59.7088, 62.8554, 56.5623

### Deuteranopia

64.1524, 62.7810, 51.9168



## Tritanopia

70.7699, 62.8812, 65.5341

# Trichromacy



## Original Color

68.6505, 62.7361, 52.2071

## Protanomaly

62.5106, 62.5668, 54.6809

## Deuteranomaly

65.5127, 62.4609, 51.7833

## Tritanomaly

70.0534, 62.9448, 60.6819

# Monochromacy



## Original Color

68.6505, 62.7361, 52.2071

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

63.2657, 63.4780, 62.9508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6505, 62.7361, 52.2071 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, 193, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 181)  
}
```

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, 193, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6505, 62.7361, 52.2071 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, 193, 181) }
```



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

```
.border{ border-color:rgb(255, 193, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6505, 62.7361, 52.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 181) }
```

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

```
.background{ background-color: rgb(255,  
193, 181) }
```

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