

# Converting Colors

XYZ(86.1574, 72.6594, 53.1119)

Have a look what the booklet for  
XYZ(86.1574, 72.6594, 53.1119)  
contains.

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# Color

**XYZ(69.3204, 64.0761,  
52.4304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4B5
RGB	255, 196, 181
RGB Percent	100%, 77%, 71%
CMY	0.0000, 0.2313, 0.2902
CMYK	0.00, 0.23, 0.29, 0.00
HSL	12°, 100%, 85%
HSV	12°, 29%, 100%
XYZ	69.3204, 64.0761, 52.4304
YIQ	211.9310, 39.9790, 7.8430

# Conversions

## Conversions Part 2

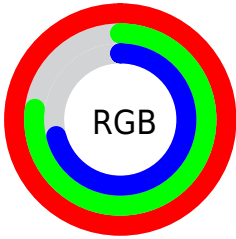
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 200, 181
Decimal	16762037
CIE Lab	84.01, 19.01, 15.66
CIE LCh	84, 24.631, 39.485
Yxy	64.0761, 0.3730, 0.3448
Android (android.graphics.Color)	4294952117 (0xFFFFC4B5)
YUV	211.9310, -15.2490, 37.7715
Hunter-Lab	80.0475, 14.4961, 17.1989

# Details

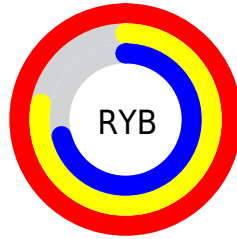
The XYZ color **69.3204, 64.0761, 52.4304** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.2650, 79.3611, 106.3280**, and the grayscale version is **62.6144, 65.8753, 71.7382**.

A 20% lighter version of the original color is **91.6513, 97.6250, 94.1337**, and **36.5952, 32.7748, 24.8195** is the 20% darker color. If you saturate the color by 10%, you get **62.6607, 54.5677, 38.4617**, and if you desaturate by 10%, it is **77.0836, 75.0246, 69.1309**.

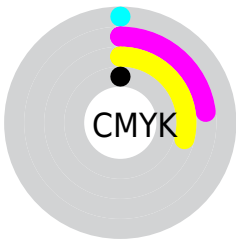
# Distribution



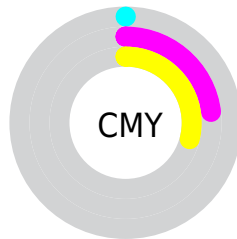
- Red (100%)
- Green (77%)
- Blue (71%)



- Red (100%)
- Yellow (78%)
- Blue (71%)



- Cyan (0%)
- Magenta (23%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3204, 64.0761, 52.4304 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 69.3204, 64.0761, 52.4304 by changing the saturation by 10% instead.




 69.3204, 64.0761,  
52.4304

 69.3204, 64.0761,  
52.4304


447.4639,  
439.4644, 413.1001

 51.2503, 46.7123,  
36.9636


 117.2707,  
110.7205, 95.1987

 36.6297, 32.8083,  
24.8838


147.8815,  
140.7700, 123.3374

 25.0933, 21.9796,  
15.7723


183.4033,  
175.8167, 156.5370

 16.2757, 13.8419,  
9.2105

224.2014,  
216.2452, 195.2163

 9.8115, 8.0108,  
4.7801

270.6411,  
262.4398, 239.7937

 5.3355, 4.1019,  
2.0623

323.0879,

 2.4822, 1.7307,

314.7850, 290.6878

0.5932

381.9070,  
373.6650, 348.3171

■ 0.8863, 0.4434,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.3204, 64.0761,  
52.4304

■ 69.3204, 64.0761,  
52.4304

■ 62.6607, 54.5677,  
38.4617

■ 77.0836, 75.0246,  
69.1309

■ 57.0487, 46.4305,  
27.0748

■ 85.9930, 87.4609,  
88.6944

■ 52.4309, 39.6029,  
18.1114

95.0500, 100.0000,  
108.9000

■ 48.7467, 34.0153,  
11.3938

■ 45.9290, 29.5913,  
6.7199

■ 43.9005, 26.2456,  
3.8508

■ 42.5590, 23.8762,  
2.4373

■ 42.4550, 23.6900,  
2.3350

# Harmonies

## Analogous

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



71.7909, 64.0761, 64.9559



69.3204, 64.0761, 52.4304



64.6348, 64.0761, 45.3444

# Triad

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



69.3204, 64.0761, 52.4304



51.6385, 64.0761, 59.8056



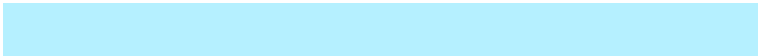
62.6391, 64.0761, 103.6087

# Complementary

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



69.3204, 64.0761, 52.4304



68.2650, 79.3611, 106.3280

# 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.



57.3165, 64.0761, 101.6847



69.3204, 64.0761, 52.4304



51.1746, 64.0761, 74.8121

# Square

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



69.3204, 64.0761, 52.4304



54.5022, 64.0761, 49.1427



53.1951, 64.0761, 90.5596



67.7851, 64.0761, 95.4815



# Rectangle

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



69.3204, 64.0761, 52.4304



60.9963, 64.0761, 43.9374



53.1951, 64.0761, 90.5596



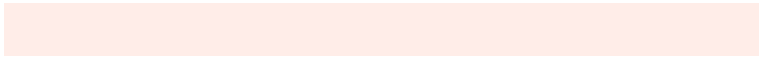
60.8087, 64.0761, 104.1401

# Sweetspot

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



69.3221, 64.0791, 52.4317



86.0111, 87.4860, 88.7344



73.5221, 60.6115, 90.4183



18.1167, 18.3179, 18.3442



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.



69.3221, 64.0791, 52.4317



65.2089, 58.2217, 43.7573



78.6631, 82.7612, 55.5454



18.3076, 18.5834, 18.7664



22.2671, 12.5455, 1.2479

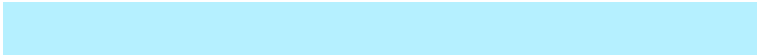


2.2411, 1.3676, 0.1459

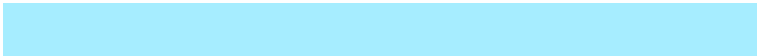


# Inverse Universe

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



68.2650, 79.3611, 106.3280



63.9794, 75.8118, 105.8688



58.5099, 59.8508, 103.0763



18.2237, 19.8189, 23.1149



20.7361, 26.3817, 53.4339



2.0944, 2.7195, 5.2278



# Previews

## White Background



This preview shows how the XYZ color 69.3204, 64.0761, 52.4304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

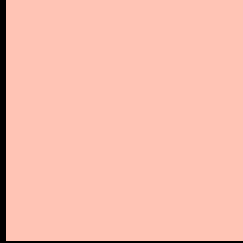
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3204, 64.0761, 52.4304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

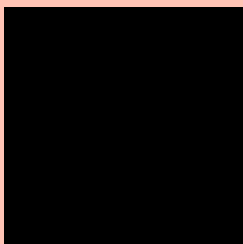
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.3204, 64.0761, 52.4304**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3204, 64.0761, 52.4304.



This preview shows how white text looks on a background with the XYZ color 69.3204, 64.0761,

52.4304.

# 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

69.3204, 64.0761, 52.4304

### Protanopia

61.0910, 64.2918, 56.7667

### Deuteranopia

65.6344, 64.2371, 52.1197



## Tritanopia

71.5724, 63.9049, 67.5941

# Trichromacy



**Original Color**

69.3204, 64.0761, 52.4304

**Protanomaly**

63.6285, 63.8443, 54.8685

**Deuteranomaly**

66.8985, 64.1967, 52.0453

**Tritanomaly**

70.7248, 63.9208, 62.0364

# Monochromacy



**Original Color**

69.3204, 64.0761, 52.4304

**Achromatopsia**

62.5785, 65.8375, 71.6970

**Achromatomaly**

64.6088, 64.8536, 64.3711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3204, 64.0761, 52.4304 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, 196, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3204, 64.0761, 52.4304 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, 196, 181) }
```



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

```
.border{ border-color:rgb(255, 196, 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, 196, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3204, 64.0761, 52.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 181) }
```

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

```
.background{ background-color: rgb(255,  
196, 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](#).

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