

# Converting Colors

XYZ(68.0884, 61.6889, 44.6768)

Have a look what the booklet for  
XYZ(68.0884, 61.6889, 44.6768)  
contains.

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# Color

**XYZ(66.6285, 60.8769,  
44.7979)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBEA7
RGB	255, 190, 167
RGB Percent	100%, 75%, 65%
CMY	0.0000, 0.2549, 0.3451
CMYK	0.00, 0.25, 0.35, 0.00
HSL	16°, 100%, 83%
HSV	16°, 35%, 100%
XYZ	66.6285, 60.8769, 44.7979
YIQ	206.8130, 46.1230, 6.6270

# Conversions

## Conversions Part 2

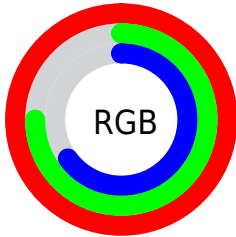
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 198, 167
Decimal	16760487
CIE Lab	82.31, 20.40, 20.75
CIE LCh	82, 29.103, 45.486
Yxy	60.8769, 0.3867, 0.3533
Android (android.graphics.Color)	4294950567 (0xFFFFBEA7)
YUV	206.8130, -19.6278, 42.2600
Hunter-Lab	78.0237, 15.8892, 20.5747

# Details

The XYZ color **66.6285, 60.8769, 44.7979** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **62.8419, 73.1461, 105.4142**, and the grayscale version is **59.2907, 62.3784, 67.9301**.

A 20% lighter version of the original color is **87.6856, 93.0555, 82.4472**, and **34.9246, 30.7164, 20.3078** is the 20% darker color. If you saturate the color by 10%, you get **60.6807, 52.3892, 32.3093**, and if you desaturate by 10%, it is **73.5714, 70.6105, 59.9126**.

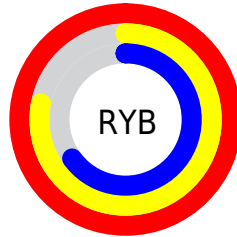
# Distribution



Red (100%)

Green (75%)

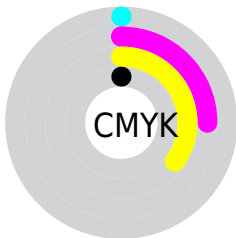
Blue (65%)



Red (100%)

Yellow (78%)

Blue (65%)

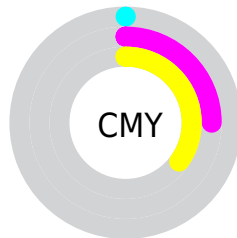


Cyan (0%)

Magenta (25%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6285, 60.8769, 44.7979 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 66.6285, 60.8769, 44.7979 by changing the saturation by 10% instead.



 66.6285, 60.8769,  
44.7979


 66.6285, 60.8769,  
44.7979


438.0746,  
427.8225, 382.0907

 49.0524, 44.1258,  
30.9565


 113.4407,  
106.1007, 83.7323

 34.8757, 30.7694,  
20.3075


 143.4074,  
135.3422, 109.6623

 23.7332, 20.4233,  
12.4325

178.2351,  
169.5159, 140.4590

 15.2595, 12.7032,  
6.9128

218.2890,  
209.0064, 176.5409

 9.0892, 7.2245,  
3.3300

263.9346,  
254.1978, 218.3264

 4.8570, 3.6029,  
1.2655

315.5371,

 2.1975, 1.4540,

305.4747, 266.2342

0.0333

373.4620,  
363.2215, 320.6828

■ 0.7414, 0.2560,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.6285, 60.8769,  
44.7979

■ 66.6285, 60.8769,  
44.7979

■ 60.6807, 52.3892,  
32.3093

■ 73.5714, 70.6105,  
59.9126

■ 55.6758, 45.0877,  
22.2918

■ 81.5488, 81.6295,  
77.7887

■ 51.5638, 38.9205,  
14.5799

■ 90.6039, 93.9821,  
98.5566

■ 48.2875, 33.8284,  
8.9857

95.0500, 100.0000,  
108.9000

■ 45.7827, 29.7460,  
5.2919

■ 43.9735, 26.6001,  
3.2322

■ 43.2272, 25.2344,  
2.5924

# Harmonies

## Analogous

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



70.1274, 60.8769, 57.5804



66.6285, 60.8769, 44.7979



60.9012, 60.8769, 38.4217

# Triad

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



66.6285, 60.8769, 44.7979



47.0711, 60.8769, 58.0907



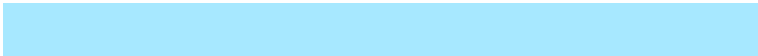
61.1033, 60.8769, 104.9314

# Complementary

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



66.6285, 60.8769, 44.7979



62.8419, 73.1461, 105.4142

# 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.



54.9250, 60.8769, 105.1350



66.6285, 60.8769, 44.7979



47.1167, 60.8769, 75.8246

# Square

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



66.6285, 60.8769, 44.7979



49.7704, 60.8769, 45.1138



49.8997, 60.8769, 93.7326



66.7856, 60.8769, 93.2180



# Rectangle

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



66.6285, 60.8769, 44.7979



56.7295, 60.8769, 37.7765



49.8997, 60.8769, 93.7326



59.0088, 60.8769, 106.4094

# Sweetspot

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



66.6300, 60.8798, 44.7991



85.4962, 87.0318, 86.7880



69.7670, 54.7812, 83.9878



18.0313, 18.2617, 17.9622



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.



66.6300, 60.8798, 44.7991



62.6584, 55.2306, 36.4026



77.3542, 82.3281, 48.3738



18.3954, 18.7590, 18.7956



22.6893, 13.3898, 1.3886

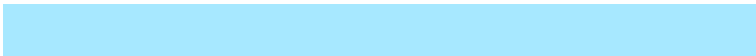


2.2934, 1.4722, 0.1633



# Inverse Universe

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



62.8419, 73.1461, 105.4142



58.3628, 69.0512, 104.8599



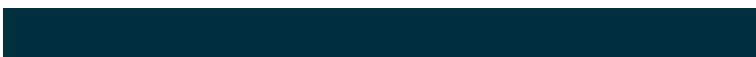
52.1845, 51.8313, 101.8618



18.1294, 19.6304, 23.0835



18.9937, 22.8970, 52.8531



1.9382, 2.4071, 5.1757



# Previews

## White Background



This preview shows how the XYZ color 66.6285, 60.8769, 44.7979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

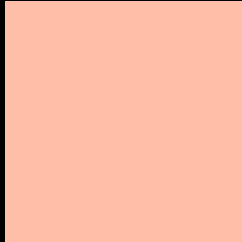
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6285, 60.8769, 44.7979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

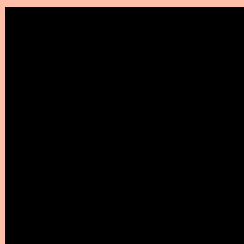
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.6285, 60.8769, 44.7979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.6285, 60.8769, 44.7979.



This preview shows how white text looks on a background with the XYZ color 66.6285, 60.8769,



# 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

66.6285, 60.8769, 44.7979

### Protanopia

57.7902, 61.3176, 48.8340

### Deuteranopia

62.1091, 60.8628, 44.5506



## Tritanopia

69.4357, 60.9708, 62.7525

# Trichromacy



## Original Color

66.6285, 60.8769, 44.7979

## Protanomaly

60.6381, 61.0718, 47.1201

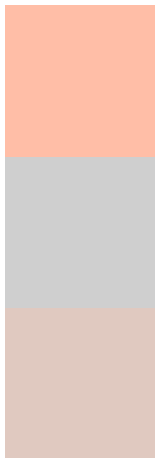
## Deuteranomaly

63.4829, 60.5698, 44.4216

## Tritanomaly

68.3003, 60.8573, 55.7238

# Monochromacy



## Original Color

66.6285, 60.8769, 44.7979

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

61.1415, 61.4264, 58.5031

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6285, 60.8769, 44.7979 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, 190, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 167)  
}
```

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, 190, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6285, 60.8769, 44.7979 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, 190, 167) }
```



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

```
.border{ border-color:rgb(255, 190, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 190, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 190, 167); box-shadow:4px 4px 4px 4px rgb(255, 190, 167) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6285, 60.8769, 44.7979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 167) }
```

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

```
.background{ background-color: rgb(255,  
190, 167) }
```

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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