

Converting Colors

XYZ(77.6435, 76.6285, 67.8253)

Have a look what the booklet for
XYZ(77.6435, 76.6285, 67.8253)
contains.

XYZ(77.7323, 76.8060, 67.8549)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.7323, 76.8060,
67.8549)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCCC
RGB	255, 220, 204
RGB Percent	100%, 86%, 80%
CMY	0.0000, 0.1372, 0.2000
CMYK	0.00, 0.14, 0.20, 0.00
HSL	19°, 100%, 90%
HSV	19°, 20%, 100%
XYZ	77.7323, 76.8060, 67.8549
YIQ	228.6410, 25.9960, 2.4440

Conversions

Conversions Part 2

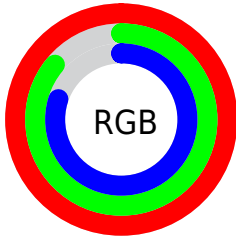
Format	Color
R _Y B	255, 227, 204
Decimal	16768204
CIE Lab	90.23, 9.68, 12.33
CIE LCh	90, 15.676, 51.845
Yxy	76.8060, 0.3495, 0.3454
Android (android.graphics.Color)	4294958284 (0xFFFFDCCC)
YUV	228.6410, -12.1480, 23.1168
Hunter-Lab	87.6390, 4.9540, 15.4418

Details

The XYZ color **77.7323, 76.8060, 67.8549** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.8175, 81.7881, 106.5038**, and the grayscale version is **74.2870, 78.1557, 85.1115**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2489, 41.1180, 34.5640** is the 20% darker color. If you saturate the color by 10%, you get **70.5664, 66.9747, 51.5922**, and if you desaturate by 10%, it is **85.8833, 87.8057, 86.9182**.

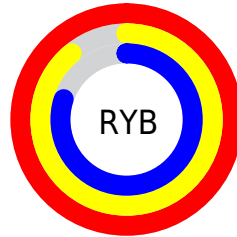
Distribution



Red (100%)

Green (86%)

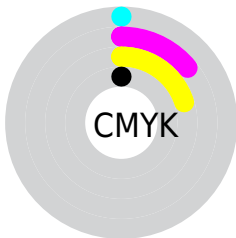
Blue (80%)



Red (100%)

Yellow (89%)

Blue (80%)

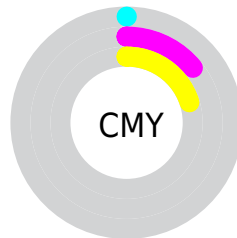


Cyan (0%)

Magenta (14%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7323, 76.8060, 67.8549 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 77.7323, 76.8060, 67.8549 by changing the saturation by 10% instead.


 77.7323, 76.8060,
67.8549

 77.7323, 76.8060,
67.8549


476.1109,
484.1023, 471.5658

 58.1561, 57.0937,
49.3137


129.1400,
128.8656, 117.7968

 42.1779, 41.0804,
34.5011


161.7023,
161.9816, 150.0346

 29.4323, 28.3819,
22.9983


199.3240,
200.3344, 187.6751

 19.5541, 18.6138,
14.3870

242.3704,
244.3082, 231.1367

 12.1777, 11.3915,
8.2485

291.2070,
294.2875, 280.8381

 6.9379, 6.3308,
4.1643

346.1990,

 3.4693, 3.0473,

350.6567, 337.1977

1.7159

407.7119,
413.8002, 400.6341

■ 1.4065, 1.1565,
0.3716

■ 0.2608, 0.0257,
0.0000

■ 77.7323, 76.8060,
67.8549

■ 77.7323, 76.8060,
67.8549

■ 70.5664, 66.9747,
51.5922

■ 85.8833, 87.8057,
86.9182

■ 64.3412, 58.2625,
37.9924

95.0500, 100.0000,
108.9000

■ 59.0165, 50.6314,
26.9129

■ 54.5473, 44.0371,
18.1959

■ 50.8838, 38.4323,
11.6656

■ 47.9707, 33.7653,
7.1212

■ 45.7441, 29.9788,
4.3238

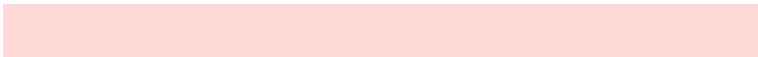
■ 44.1106, 27.0011,
2.8869

■ 44.1105, 27.0009,
2.8868

Harmonies

Analogous

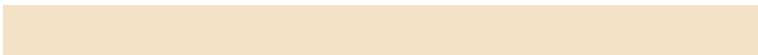
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1844, 76.8060, 75.8906



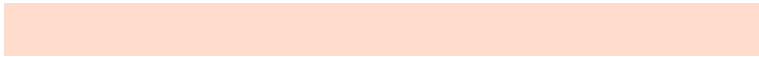
77.7323, 76.8060, 67.8549



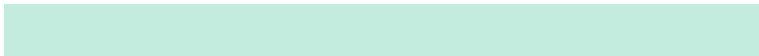
74.0705, 76.8060, 64.1234

Triad

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



77.7323, 76.8060, 67.8549



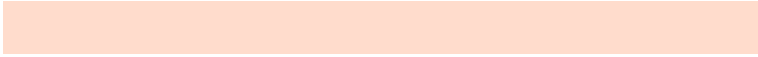
65.8288, 76.8060, 80.6198



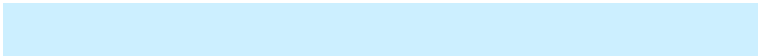
75.8273, 76.8060, 105.1842

Complementary

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



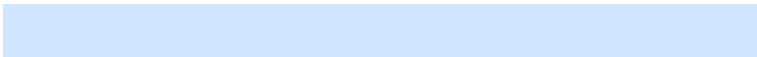
77.7323, 76.8060, 67.8549



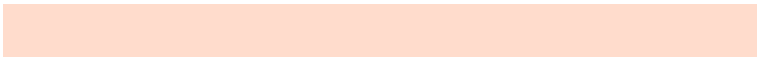
73.8175, 81.7881, 106.5038

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.



71.9435, 76.8060, 106.7354



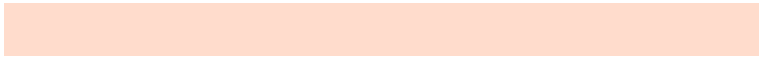
77.7323, 76.8060, 67.8549



66.2615, 76.8060, 91.8757

Square

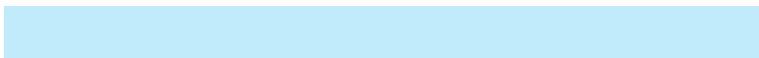
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7323, 76.8060, 67.8549



67.2635, 76.8060, 71.0524



68.4672, 76.8060, 101.6751



79.0576, 76.8060, 97.6077

Rectangle

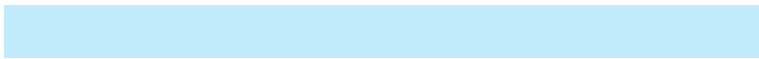
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7323, 76.8060, 67.8549



71.4736, 76.8060, 64.3248



68.4672, 76.8060, 101.6751



74.5517, 76.8060, 106.4531

Sweetspot

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



77.7341, 76.8093, 67.8565



89.4254, 92.5370, 95.3528



78.5170, 70.7200, 91.7171



19.0145, 19.6385, 20.1077



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.



77.7341, 76.8093, 67.8565



74.7509, 72.7375, 61.0212



84.7313, 90.8038, 70.1889



18.4745, 18.9171, 18.8220



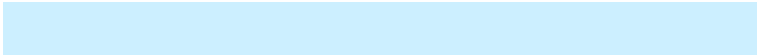
23.1656, 14.3425, 1.5474



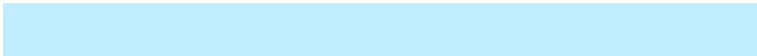
2.3484, 1.5822, 0.1816

Inverse Universe

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



73.8175, 81.7881, 106.5038



70.1830, 78.5353, 106.0675



67.0499, 68.2528, 104.2479



18.0458, 19.4633, 23.0556



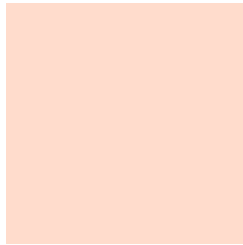
17.5789, 20.0675, 52.3815



1.8095, 2.1497, 5.1328

Previews

White Background



This preview shows how the XYZ color 77.7323, 76.8060, 67.8549 looks on a white background.

Color Contrast Check

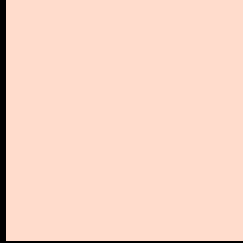
Large Text (above 18pt) WCAG AA × Fail

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 77.7323, 76.8060, 67.8549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

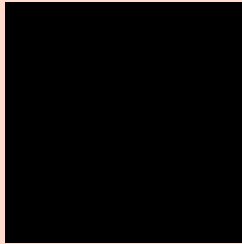
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7323, 76.8060, 67.8549

Background



This preview shows how black text looks on a background with the XYZ color 77.7323, 76.8060, 67.8549.



This preview shows how white text looks on a background with the XYZ color 77.7323, 76.8060,

67.8549.

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

77.7323, 76.8060, 67.8549

Protanopia

73.0509, 76.7306, 69.9918

Deuteranopia

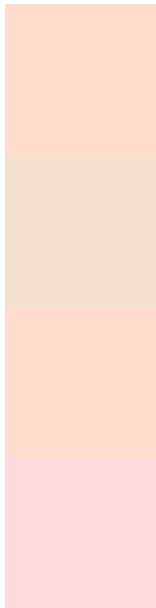
77.9738, 76.9026, 69.1266



Tritanopia

80.6183, 76.7119, 86.9018

Trichromacy



Original Color

77.7323, 76.8060, 67.8549

Protanomaly

74.7584, 76.8222, 69.2805

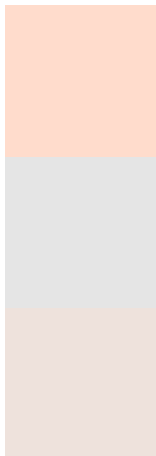
Deuteranomaly

77.8526, 76.8542, 68.4887

Tritanomaly

79.4962, 76.6767, 79.7174

Monochromacy



Original Color

77.7323, 76.8060, 67.8549

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.3745, 77.7372, 78.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7323, 76.8060, 67.8549 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, 220, 204) looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 204)  
}
```

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, 220, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 204) }
```

Border

The CSS property to change the border of an element to XYZ 77.7323, 76.8060, 67.8549 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, 220, 204) }
```


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

```
.border{ border-color:rgb(255, 220, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7323, 76.8060, 67.8549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 204) }
```

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

```
.background{ background-color: rgb(255,  
220, 204) }
```

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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