

Converting Colors

XYZ(120.8484, 99.9765,
68.5288)

Have a look what the booklet for
XYZ(120.8484, 99.9765, 68.5288)
contains.

XYZ(78.0219, 77.7668, 66.7754)	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(78.0219, 77.7668,
66.7754)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDECA
RGB	255, 222, 202
RGB Percent	100%, 87%, 79%
CMY	0.0000, 0.1294, 0.2078
CMYK	0.00, 0.13, 0.21, 0.00
HSL	23°, 100%, 90%
HSV	23°, 21%, 100%
XYZ	78.0219, 77.7668, 66.7754
YIQ	229.5870, 26.0880, 0.7760

Conversions

Conversions Part 2

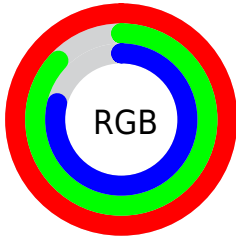
Format	Color
R _Y B	255, 234, 202
Decimal	16768714
CIE Lab	90.67, 8.36, 14.00
CIE LCh	91, 16.306, 59.145
Yxy	77.7668, 0.3506, 0.3494
Android (android.graphics.Color)	4294958794 (0xFFFFDECA)
YUV	229.5870, -13.6004, 22.2872
Hunter-Lab	88.1855, 3.6029, 16.8345

Details

The XYZ color **78.0219, 77.7668, 66.7754** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.1146, 79.1908, 106.0923**, and the grayscale version is **74.9940, 78.8995, 85.9216**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4527, 41.7813, 33.8441** is the 20% darker color. If you saturate the color by 10%, you get **71.2292, 68.6204, 50.8259**, and if you desaturate by 10%, it is **85.7144, 87.9137, 85.4880**.

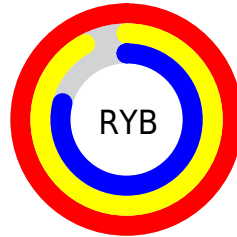
Distribution



Red (100%)

Green (87%)

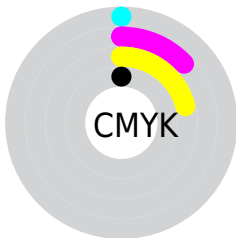
Blue (79%)



Red (100%)

Yellow (92%)

Blue (79%)

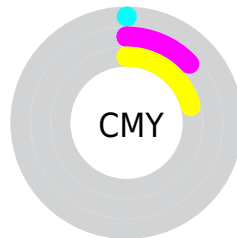


Cyan (0%)

Magenta (13%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0219, 77.7668, 66.7754 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 78.0219, 77.7668, 66.7754 by changing the saturation by 10% instead.


 78.0219, 77.7668,
66.7754

 78.0219, 77.7668,
66.7754


477.0799,
487.3745, 467.6246

 58.3948, 57.8824,
48.4417

129.5462,
130.2213, 116.2361

 42.3706, 41.7141,
33.8143


162.1741,
163.5603, 148.2002

 29.5840, 28.8775,
22.4748


199.8664,
202.1529, 185.5448

 19.6695, 18.9882,
14.0045

242.9883,
246.3835, 228.6884

 12.2619, 11.6617,
7.9850

291.9052,
296.6366, 278.0497

 6.9958, 6.5138,
3.9977

346.9826,

 3.5058, 3.1599,

353.2966, 334.0471

1.6241

408.5857,
416.7477, 397.0993

■ 1.4265, 1.2158,
0.3079

■ 0.2750, 0.0745,
0.0000

■ 78.0219, 77.7668,
66.7754

■ 78.0219, 77.7668,
66.7754

■ 71.2292, 68.6204,
50.8259

■ 85.7144, 87.9137,
85.4880

■ 65.2951, 60.4326,
37.5021

■ 94.3343, 99.0808,
107.0825

■ 60.1837, 53.1733,
26.6619

■ 95.0500, 100.0000,
108.9000

■ 55.8538, 46.8071,
18.1479

■ 52.2603, 41.2958,
11.7840

■ 49.3525, 36.5979,
7.3688

■ 47.0713, 32.6671,
4.6617

■ 45.4459, 29.6717,
3.3320

Harmonies

Analogous

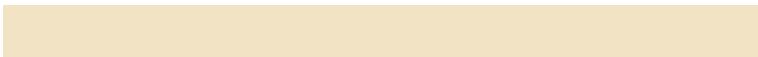
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9981, 77.7668, 74.1735



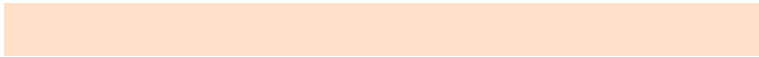
78.0219, 77.7668, 66.7754



74.0325, 77.7668, 64.0935

Triad

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



78.0219, 77.7668, 66.7754



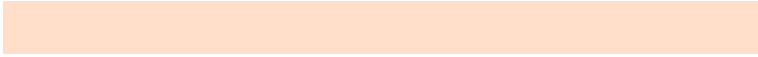
66.3277, 77.7668, 84.3390



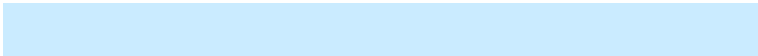
77.8113, 77.7668, 105.9070

Complementary

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



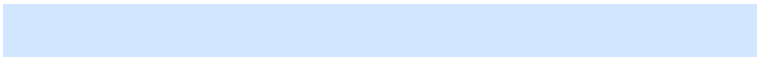
78.0219, 77.7668, 66.7754



72.1146, 79.1908, 106.0923

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.



73.7977, 77.7668, 109.2486



78.0219, 77.7668, 66.7754



67.2574, 77.7668, 96.1233

Square

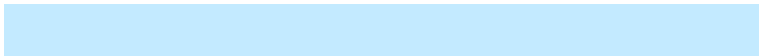
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0219, 77.7668, 66.7754



67.3677, 77.7668, 73.6416



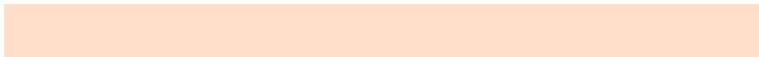
69.9548, 77.7668, 105.5172



80.8733, 77.7668, 96.7585

Rectangle

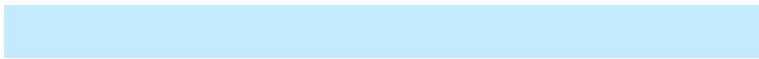
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0219, 77.7668, 66.7754



71.3660, 77.7668, 65.1314



69.9548, 77.7668, 105.5172



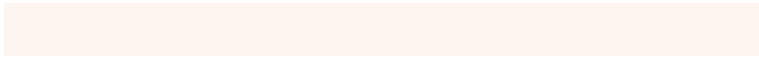
76.5240, 77.7668, 107.7820

Sweetspot

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



78.0238, 77.7702, 66.7770



89.7200, 93.1261, 95.4510



77.4384, 69.5329, 88.3674



19.0840, 19.7775, 20.1308



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.



78.0238, 77.7702, 66.7770



75.0517, 73.7930, 59.7224



85.4478, 92.6183, 69.2517



18.5712, 19.1105, 18.8542



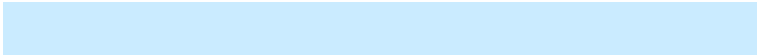
23.8784, 15.7680, 1.7850



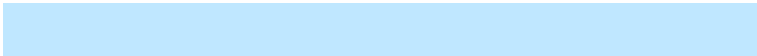
2.4261, 1.7375, 0.2075

Inverse Universe

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



72.1146, 79.1908, 106.0923



68.1571, 75.4454, 105.5779



65.2248, 65.4112, 103.7956



17.9451, 19.2618, 23.0220



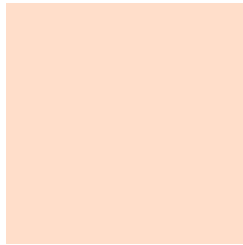
16.0356, 16.9809, 51.8671



1.6666, 1.8639, 5.0852

Previews

White Background



This preview shows how the XYZ color 78.0219, 77.7668, 66.7754 looks on a white background.

Color Contrast Check

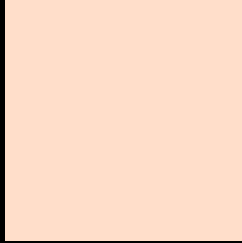
Large Text (above 18pt) WCAG AA × Fail

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 78.0219, 77.7668, 66.7754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

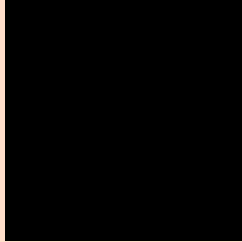
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.0219, 77.7668, 66.7754

Background



This preview shows how black text looks on a background with the XYZ color 78.0219, 77.7668, 66.7754.



This preview shows how white text looks on a background with the XYZ color 78.0219, 77.7668,

66.7754.

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

78.0219, 77.7668, 66.7754

Protanopia

74.0227, 78.0717, 68.9255

Deuteranopia

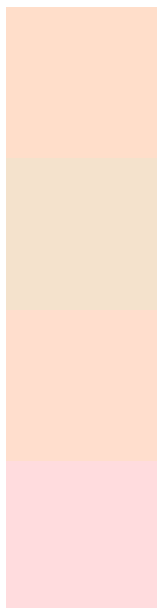
78.6238, 78.0075, 69.9445



Tritanopia

81.2795, 77.8062, 87.8250

Trichromacy



Original Color

78.0219, 77.7668, 66.7754

Protanomaly

75.4037, 77.9854, 68.2052

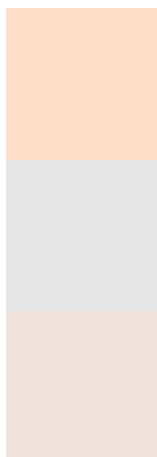
Deuteranomaly

78.3807, 77.9103, 68.6647

Tritanomaly

80.0180, 77.7203, 79.8914

Monochromacy



Original Color

78.0219, 77.7668, 66.7754

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.9840, 78.4562, 78.8489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0219, 77.7668, 66.7754 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, 222, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 202)  
}
```

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, 222, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 202) }
```

Border

The CSS property to change the border of an element to XYZ 78.0219, 77.7668, 66.7754 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, 222, 202) }
```


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

```
.border{ border-color:rgb(255, 222, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0219, 77.7668, 66.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 202) }
```

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

```
.background{ background-color: rgb(255,  
222, 202) }
```

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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