

Converting Colors

XYZ(94.6486, 85.5131, 67.8989)

Have a look what the booklet for
XYZ(94.6486, 85.5131, 67.8989)
contains.

XYZ(77.6127, 76.7582, 67.2251)	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(77.6127, 76.7582,
67.2251)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCCB
RGB	255, 220, 203
RGB Percent	100%, 86%, 80%
CMY	0.0000, 0.1372, 0.2039
CMYK	0.00, 0.14, 0.20, 0.00
HSL	20°, 100%, 90%
HSV	20°, 20%, 100%
XYZ	77.6127, 76.7582, 67.2251
YIQ	228.5270, 26.3170, 2.1330

Conversions

Conversions Part 2

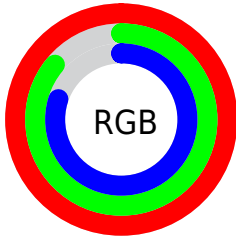
Format	Color
R _Y B	255, 228, 203
Decimal	16768203
CIE Lab	90.21, 9.54, 12.82
CIE LCh	90, 15.979, 53.344
Yxy	76.7582, 0.3502, 0.3464
Android (android.graphics.Color)	4294958283 (0xFFFFDCCB)
YUV	228.5270, -12.5848, 23.2168
Hunter-Lab	87.6118, 4.8074, 15.8346

Details

The XYZ color **77.6127, 76.7582, 67.2251** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.2523, 81.0632, 106.3937**, and the grayscale version is **74.2063, 78.0708, 85.0191**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1687, 41.0860, 34.1416** is the 20% darker color. If you saturate the color by 10%, you get **70.5453, 67.0932, 51.0898**, and if you desaturate by 10%, it is **85.6460, 87.5546, 86.1502**.

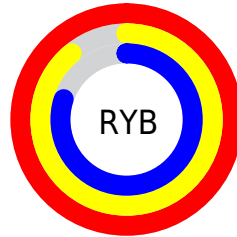
Distribution



Red (100%)

Green (86%)

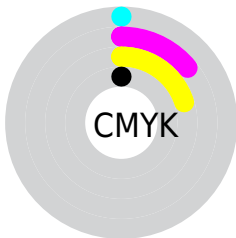
Blue (80%)



Red (100%)

Yellow (89%)

Blue (80%)

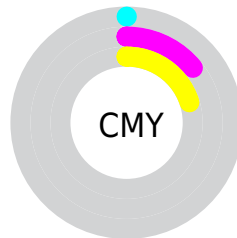


Cyan (0%)

Magenta (14%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6127, 76.7582, 67.2251 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 77.6127, 76.7582, 67.2251 by changing the saturation by 10% instead.


 77.6127, 76.7582,
67.2251

 77.6127, 76.7582,
67.2251


475.7105,
483.9392, 469.2689

 58.0576, 57.0544,
48.8048


128.9723,
128.7981, 116.8866

 42.0984, 41.0490,
34.1002


161.5074,
161.9030, 148.9649

 29.3698, 28.3573,
22.6926


199.0999,
200.2438, 186.4330

 19.5064, 18.5952,
14.1635

242.1151,
244.2048, 229.7094

 12.1429, 11.3781,
8.0944

290.9185,
294.1705, 279.2127

 6.9140, 6.3218,
4.0668

345.8752,

 3.4542, 3.0417,

350.5252, 335.3613

1.6621

407.3508,
413.6533, 398.5739

■ 1.3983, 1.1536,
0.3345

■ 0.2550, 0.0233,
0.0000

■ 77.6127, 76.7582,
67.2251

■ 77.6127, 76.7582,
67.2251

■ 70.5453, 67.0932,
51.0898

■ 85.6460, 87.5546,
86.1502

■ 64.4001, 58.5120,
37.6062

94.6757, 99.5079,
107.9843

■ 59.1378, 50.9783,
26.6317

95.0500, 100.0000,
108.9000

■ 54.7141, 44.4497,
18.0082

■ 51.0802, 38.8808,
11.5595

■ 48.1818, 34.2223,
7.0839

■ 45.9558, 30.4193,
4.3411

■ 44.3632, 27.5064,
2.9711

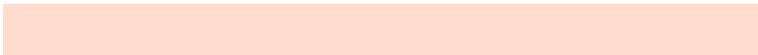
Harmonies

Analogous

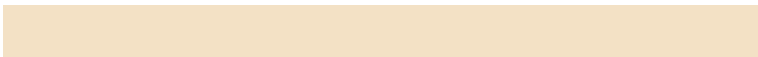
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1974, 76.7582, 75.2036



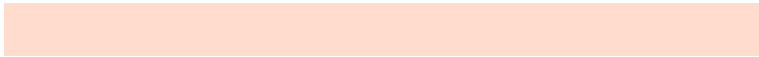
77.6127, 76.7582, 67.2251



73.8453, 76.7582, 63.6749

Triad

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



77.6127, 76.7582, 67.2251



65.6286, 76.7582, 81.0665



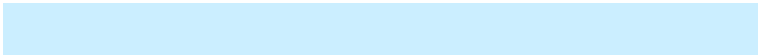
76.0255, 76.7582, 105.3161

Complementary

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



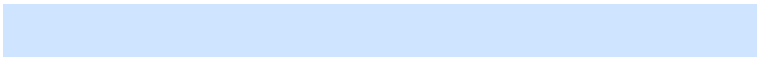
77.6127, 76.7582, 67.2251



73.2523, 81.0632, 106.3937

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.



72.0745, 76.7582, 107.2451



77.6127, 76.7582, 67.2251



66.1649, 76.7582, 92.5492

Square

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



77.6127, 76.7582, 67.2251



66.9979, 76.7582, 71.1839



68.4901, 76.7582, 102.3854



79.2580, 76.7582, 97.3302

Rectangle

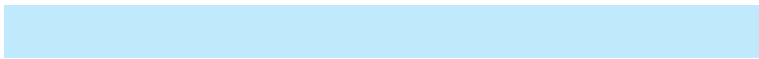
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6127, 76.7582, 67.2251



71.2074, 76.7582, 64.0454



68.4901, 76.7582, 102.3854



74.7338, 76.7582, 106.7226

Sweetspot

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



77.6145, 76.7616, 67.2267



89.4864, 92.6590, 95.3731



78.1075, 70.1771, 90.7296



19.0289, 19.6673, 20.1125



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.



77.6145, 76.7616, 67.2267



74.9546, 73.1449, 61.0891



84.8136, 91.1596, 69.6264



18.4944, 18.9571, 18.8287



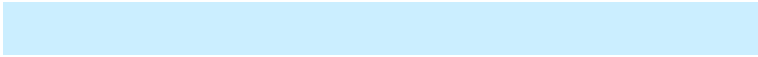
23.3011, 14.6134, 1.5926



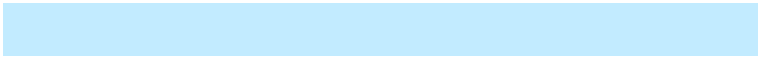
2.3635, 1.6124, 0.1866

Inverse Universe

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



73.2523, 81.0632, 106.3937



69.9512, 78.0717, 105.9903



66.3564, 67.2715, 104.0951



18.0249, 19.4213, 23.0486



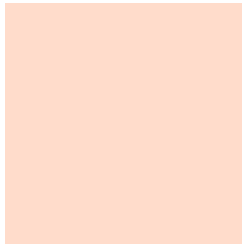
17.2433, 19.3961, 52.2696



1.7786, 2.0880, 5.1225

Previews

White Background



This preview shows how the XYZ color 77.6127, 76.7582, 67.2251 looks on a white background.

Color Contrast Check

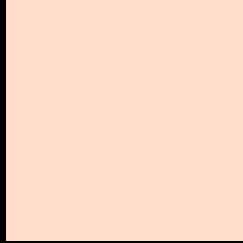
Large Text (above 18pt) WCAG AA × Fail

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 77.6127, 76.7582, 67.2251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

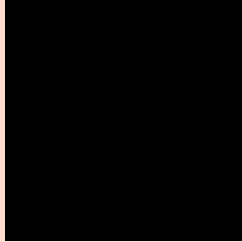
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6127, 76.7582, 67.2251

Background



This preview shows how black text looks on a background with the XYZ color 77.6127, 76.7582, 67.2251.



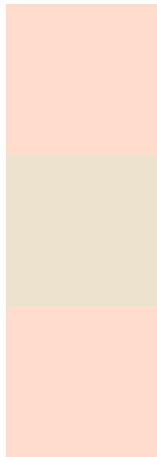
This preview shows how white text looks on a background with the XYZ color 77.6127, 76.7582,

67.2251.

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

77.6127, 76.7582, 67.2251

Protanopia

72.9290, 76.6818, 69.3498

Deuteranopia

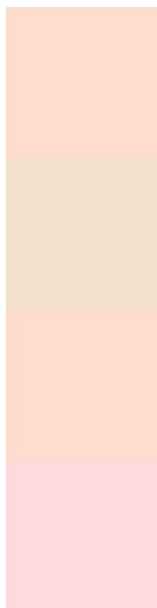
77.9738, 76.9026, 69.1266



Tritanopia

80.6183, 76.7119, 86.9018

Trichromacy



Original Color

77.6127, 76.7582, 67.2251

Protanomaly

74.6372, 76.7738, 68.6426

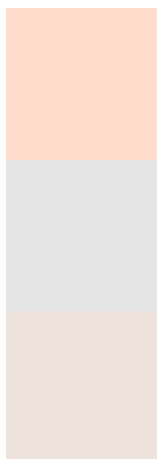
Deuteranomaly

77.8526, 76.8542, 68.4887

Tritanomaly

79.3625, 76.6233, 79.0135

Monochromacy



Original Color

77.6127, 76.7582, 67.2251

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 77.6127, 76.7582, 67.2251 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 203) }
```

Border

The CSS property to change the border of an element to XYZ 77.6127, 76.7582, 67.2251 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, 203) }
```


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

```
.border{ border-color:rgb(255, 220, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6127, 76.7582, 67.2251 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, 203) }
```

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

```
.background{ background-color: rgb(255,  
220, 203) }
```

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