

Converting Colors

XYZ(151.0102, 102.2548,
157.5022)

Have a look what the booklet for
XYZ(151.0102, 102.2548, 157.5022)
contains.

XYZ(77.9208, 65.7416, 103.1903) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(77.9208, 65.7416,
103.1903)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBFFF
RGB	255, 191, 255
RGB Percent	100%, 75%, 100%
CMY	0.0000, 0.2510, 0.0000
CMYK	0.00, 0.25, 0.00, 0.00
HSL	300°, 100%, 87%
HSV	300°, 25%, 100%
XYZ	77.9208, 65.7416, 103.1903
YIQ	217.4320, 17.6000, 33.4720

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 191, 255
Decimal	16760831
CIE Lab	84.86, 33.20, -22.55
CIE LCh	85, 40.132, 325.817
Yxy	65.7416, 0.3157, 0.2663
Android (android.graphics.Color)	4294950911 (0xFFFFBFFF)
YUV	217.4320, 18.5210, 32.9471
Hunter-Lab	81.0812, 29.6503, -18.7003

Details

The XYZ color **77.9208, 65.7416, 103.1903** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.6519, 86.3589, 62.4495**, and the grayscale version is **66.1194, 69.5627, 75.7538**.

A 20% lighter version of the original color is **92.8574, 95.6148, 108.1691**, and **42.4274, 33.9743, 57.7476** is the 20% darker color. If you saturate the color by 10%, you get **72.8365, 55.5731, 101.4955**, and if you desaturate by 10%, it is **83.9756, 77.8513, 105.2085**.

Distribution



- Red (100%)
- Green (75%)
- Blue (100%)



- Red (100%)
- Yellow (75%)
- Blue (100%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.9208, 65.7416, 103.1903 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 77.9208, 65.7416, 103.1903 by changing the saturation by 10% instead.


 77.9208, 65.7416,
103.1903

 77.9208, 65.7416,
103.1903


476.7417,
445.4522, 591.7072

 58.3115, 48.0627,
78.3359


 129.4044,
113.1154, 167.6245

 42.3033, 33.8765,
57.8318

162.0094,
143.5790, 208.0414

 29.5310, 22.7988,
41.2597


199.6771,
179.0730, 254.4828

 19.6292, 14.4450,
28.2008

242.7726,
219.9818, 307.3673

 12.2325, 8.4308,
18.2367

291.6616,
266.6897, 367.1135

 6.9755, 4.3718,
10.9489

346.7091,

 3.4930, 1.8837,

319.5811, 434.1398

5.9187

408.2807,
379.0405, 508.8649

■ 1.4195, 0.5385,
2.7277

■ 0.2701, 0.0000,
0.9573

■ 77.9208, 65.7416,
103.1903

■ 77.9208, 65.7416,
103.1903

■ 72.8365, 55.5731,
101.4955

■ 83.9756, 77.8513,
105.2085

■ 68.6689, 47.2378,
100.1063

■ 91.0438, 91.9876,
107.5646

■ 65.3645, 40.6290,
99.0048

95.0500, 100.0000,
108.9000

■ 62.8629, 35.6257,
98.1710

■ 61.0956, 32.0913,
97.5819

■ 59.9833, 29.8666,
97.2111

■ 59.4277, 28.7554,
97.0259

■ 59.2900, 28.4800,
96.9800

Harmonies

Analogous

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



70.3282, 65.7416, 126.1008



77.9208, 65.7416, 103.1903



81.3806, 65.7416, 75.2574

Triad

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



77.9208, 65.7416, 103.1903



63.7561, 65.7416, 32.6594



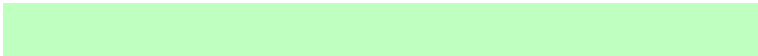
48.1672, 65.7416, 95.4049

Complementary

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



77.9208, 65.7416, 103.1903



66.6519, 86.3589, 62.4495

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.



46.7678, 65.7416, 68.0271



77.9208, 65.7416, 103.1903



55.2486, 65.7416, 35.5965

Square

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



77.9208, 65.7416, 103.1903



72.7203, 65.7416, 37.9140



49.2362, 65.7416, 47.1925



53.2590, 65.7416, 120.9013

Rectangle

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



77.9208, 65.7416, 103.1903



80.6564, 65.7416, 58.9058



49.2362, 65.7416, 47.1925



47.2717, 65.7416, 85.9563

Sweetspot

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



77.9220, 65.7441, 103.1907



88.8839, 87.6679, 106.8446



58.1693, 55.5612, 102.2663



18.7928, 18.3004, 22.7918



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.



77.9220, 65.7441, 103.1907



75.3101, 60.5201, 102.3200



73.1917, 63.8520, 78.2811



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

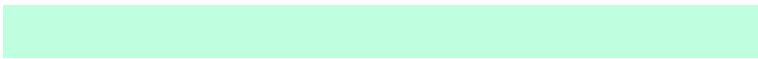
The Inverse Universe completely reimagines the original color for something new.



77.9220, 65.7441, 103.1907



75.3101, 60.5201, 102.3200



70.5670, 87.9250, 83.0660



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 77.9208, 65.7416, 103.1903 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 77.9208, 65.7416, 103.1903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

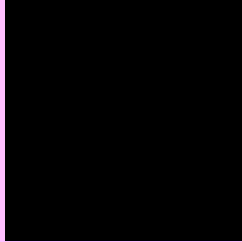
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9208, 65.7416, 103.1903

Background



This preview shows how black text looks on a background with the XYZ color 77.9208, 65.7416, 103.1903.

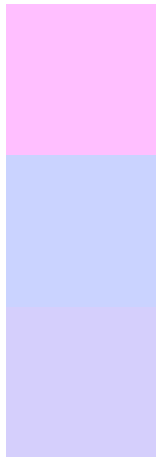


This preview shows how white text looks on a background with the XYZ color 77.9208, 65.7416,

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

77.9208, 65.7416, 103.1903

Protanopia

65.7014, 66.3651, 103.9546

Deuteranopia

67.3241, 65.8001, 101.2478



Tritanopia

71.6279, 65.8416, 72.5518

Trichromacy



Original Color

77.9208, 65.7416, 103.1903



Protanomaly

69.4617, 65.7779, 103.6431



Deuteranomaly

70.6112, 65.3591, 101.8225



Tritanomaly

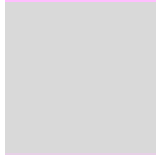
73.6664, 65.6462, 82.9171

Monochromacy



Original Color

77.9208, 65.7416, 103.1903



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

69.9347, 67.8702, 85.0156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9208, 65.7416, 103.1903 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 255)  
}
```

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, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.9208, 65.7416, 103.1903 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, 191, 255) }
```


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

```
.border{ border-color:rgb(255, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9208, 65.7416, 103.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 255) }
```

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

```
.background{ background-color: rgb(255,  
191, 255) }
```

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