

Converting Colors

XYZ(90.9321, 76.8099,
176.3837)

Have a look what the booklet for
XYZ(90.9321, 76.8099, 176.3837)
contains.

XYZ(77.2238, 71.2090, 104.2823)	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(77.2238, 71.2090,
104.2823)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D0FF
RGB	242, 208, 255
RGB Percent	95%, 82%, 100%
CMY	0.0510, 0.1843, 0.0000
CMYK	0.05, 0.18, 0.00, 0.00
HSL	283°, 100%, 91%
HSV	283°, 18%, 100%
XYZ	77.2238, 71.2090, 104.2823
YIQ	223.5240, 5.1770, 21.8250

Conversions

Conversions Part 2

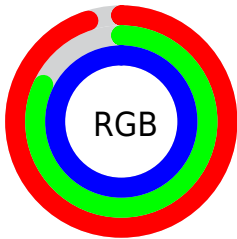
Format	Color
RYB	242, 208, 255
Decimal	15913215
CIELab	87.59, 20.07, -18.55
CIELCh	88, 27.324, 317.257
Yxy	71.2090, 0.3056, 0.2818
Android (android.graphics.Color)	4294103295 (0xFFFF2D0FF)
YUV	223.5240, 15.5177, 16.2035
Hunter-Lab	84.3854, 15.6766, -14.1999

Details

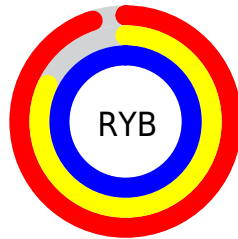
The XYZ color **77.2238, 71.2090, 104.2823** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.9657, 91.4471, 73.2725**, and the grayscale version is **70.4041, 74.0706, 80.6629**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8340, 37.2988, 58.4206** is the 20% darker color. If you saturate the color by 10%, you get **69.1257, 58.5368, 102.2631**, and if you desaturate by 10%, it is **86.4187, 85.9342, 106.6400**.

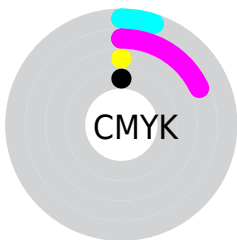
Distribution



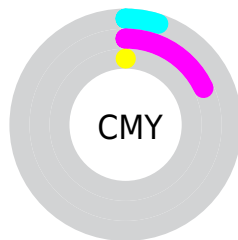
- Red (95%)
- Green (82%)
- Blue (100%)



- Red (95%)
- Yellow (82%)
- Blue (100%)



- Cyan (5%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2238, 71.2090, 104.2823 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 77.2238, 71.2090, 104.2823 by changing the saturation by 10% instead.

77.2238, 71.2090,
104.2823

77.2238, 71.2090,
104.2823

474.4070,
464.7837, 595.2001

57.7371, 52.5128,
79.2449

128.4265,
120.9313, 169.1327

41.8398, 37.4140,
58.5747

160.8733,
152.7261, 209.7828

29.1664, 25.5282,
41.8531

198.3708,
189.6559, 256.4743

19.3517, 16.4710,
28.6616

241.2844,
232.1051, 309.6255

12.0302, 9.8580,
18.5816

289.9795,
280.4581, 369.6552

6.8366, 5.3049,
11.1946

344.8214,

3.4055, 2.4273,

335.0993, 436.9819

6.0821

406.1754,
396.4130, 512.0240

■ 1.3717, 0.8399,
2.8254

■ 0.2359, 0.0000,
1.0062

■ 77.2238, 71.2090,
104.2823

■ 77.2238, 71.2090,
104.2823

■ 69.1257, 58.5368,
102.2631

■ 86.4187, 85.9342,
106.6400

■ 62.0697, 47.8127,
100.5651

95.0500, 100.0000,
108.9000

■ 56.0053, 38.9362,
99.1714

■ 50.8748, 31.7937,
98.0631

■ 46.6144, 26.2591,
97.2194

■ 43.1515, 22.1887,
96.6163

■ 40.4001, 19.4127,
96.2254

■ 38.2407, 17.6932,
96.0074

■ 37.9299, 17.4685,
95.9804

Harmonies

Analogous

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



71.4355, 71.2090, 116.7261



77.2238, 71.2090, 104.2823



80.5395, 71.2090, 85.6521

Triad

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



77.2238, 71.2090, 104.2823



70.4601, 71.2090, 47.7465



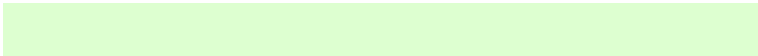
56.4956, 71.2090, 88.5778

Complementary

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



77.2238, 71.2090, 104.2823



76.9657, 91.4471, 73.2725

Split Complementary

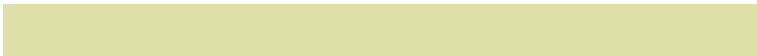
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.2714, 71.2090, 69.9467



77.2238, 71.2090, 104.2823



64.0624, 71.2090, 48.2735

Square

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



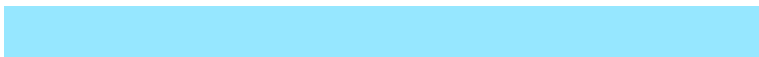
77.2238, 71.2090, 104.2823



76.4707, 71.2090, 54.2262



58.9605, 71.2090, 55.8027



59.5939, 71.2090, 106.7157

Rectangle

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



77.2238, 71.2090, 104.2823



80.7717, 71.2090, 73.1257



58.9605, 71.2090, 55.8027



56.0889, 71.2090, 82.1171

Sweetspot

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



77.2258, 71.2120, 104.2828



88.8220, 89.8299, 107.2652



70.0051, 72.5130, 104.9145



18.8718, 19.0004, 22.9227



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.



77.2258, 71.2120, 104.2828



74.2104, 66.4558, 103.5237



80.2508, 72.9559, 96.0927



18.2741, 18.0330, 22.7675



19.9711, 9.2060, 50.1589



2.0503, 0.9509, 4.8887

Inverse Universe

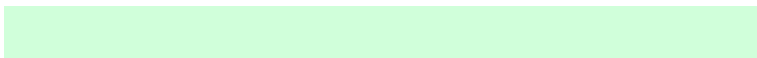
The Inverse Universe completely reimagines the original color for something new.



76.8488, 71.5951, 78.1780



73.8313, 66.9372, 72.9265



74.4534, 90.0025, 79.9065



18.2158, 18.0696, 19.7535



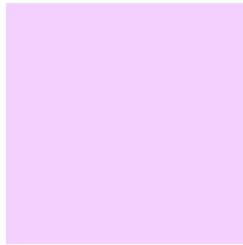
22.1890, 11.3649, 4.3800



2.2043, 1.1241, 0.6574

Previews

White Background



This preview shows how the XYZ color 77.2238, 71.2090, 104.2823 looks on a white background.

Color Contrast Check

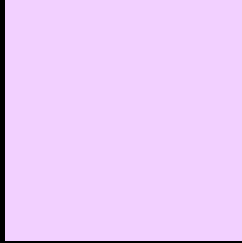
Large Text (above 18pt) WCAG AA × Fail

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 77.2238, 71.2090, 104.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

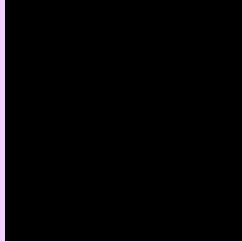
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.2238, 71.2090, 104.2823

Background



This preview shows how black text looks on a background with the XYZ color 77.2238, 71.2090, 104.2823.

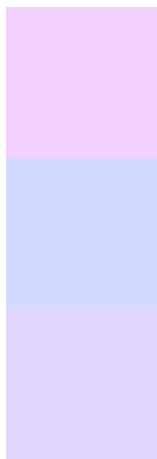


This preview shows how white text looks on a background with the XYZ color 77.2238, 71.2090,

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

77.2238, 71.2090, 104.2823

Protanopia

70.2728, 71.3599, 104.6778

Deuteranopia

72.9873, 71.2564, 103.6730



Tritanopia

73.1970, 71.4228, 84.0568

Trichromacy



Original Color

77.2238, 71.2090, 104.2823

Protanomaly

72.5280, 71.0011, 104.4897

Deuteranomaly

74.3879, 71.2316, 103.5944

Tritanomaly

74.3235, 71.1123, 90.6977

Monochromacy



Original Color

77.2238, 71.2090, 104.2823

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

73.0218, 73.1299, 88.8641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2238, 71.2090, 104.2823 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(242, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 208, 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(242, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 208, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2238, 71.2090, 104.2823 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(242, 208, 255) }
```


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

```
.border{ border-color:rgb(242, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 208, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 208, 255); box-shadow:4px 4px 4px 4px rgb(242, 208, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2238, 71.2090, 104.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 208, 255) }
```

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

```
.background{ background-color: rgb(242,  
208, 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