

Converting Colors

XYZ(142.2860, 100.0000,
104.6015)

Have a look what the booklet for
XYZ(142.2860, 100.0000, 104.6015)
contains.

XYZ(78.2614, 66.9354, 101.7235)	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(78.2614, 66.9354,
101.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC2FD
RGB	255, 194, 253
RGB Percent	100%, 76%, 99%
CMY	0.0000, 0.2392, 0.0078
CMYK	0.00, 0.24, 0.01, 0.00
HSL	302°, 100%, 88%
HSV	302°, 24%, 100%
XYZ	78.2614, 66.9354, 101.7235
YIQ	218.9650, 17.4170, 31.2810

Conversions

Conversions Part 2

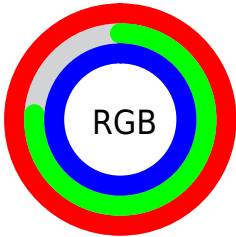
Format	Color
R _Y B	255, 194, 253
Decimal	16761597
CIE Lab	85.47, 31.26, -20.57
CIE LCh	85, 37.422, 326.662
Yxy	66.9354, 0.3170, 0.2711
Android (android.graphics.Color)	4294951677 (0xFFFFC2FD)
YUV	218.9650, 16.7793, 31.6027
Hunter-Lab	81.8141, 27.5743, -16.4484

Details

The XYZ color **78.2614, 66.9354, 101.7235** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.9739, 86.9758, 65.4327**, and the grayscale version is **67.1880, 70.6870, 76.9781**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **42.6306, 34.7475, 56.6846** is the 20% darker color. If you saturate the color by 10%, you get **72.9331, 56.4911, 99.2929**, and if you desaturate by 10%, it is **84.5669, 79.3326, 104.4845**.

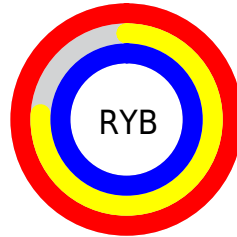
Distribution



Red (100%)

Green (76%)

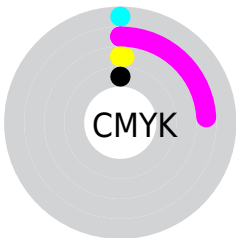
Blue (99%)



Red (100%)

Yellow (76%)

Blue (99%)

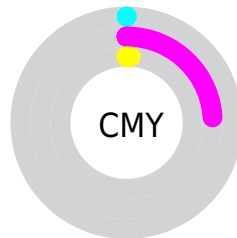


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2614, 66.9354, 101.7235 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 78.2614, 66.9354, 101.7235 by changing the saturation by 10% instead.

78.2614, 66.9354,
101.7235

78.2614, 66.9354,
101.7235

477.8804,
449.7148, 586.9982

58.5923, 49.0321,
77.1158

129.8820,
114.8278, 165.5961

42.5301, 34.6450,
56.8358

162.5641,
145.5858, 205.6982

29.7095, 23.3895,
40.4649

200.3146,
181.3975, 251.8020

19.7652, 14.8814,
27.5847

243.4989,
222.6472, 304.3263

12.3317, 8.7362,
17.7765

292.4822,
269.7194, 363.6895

7.0438, 4.5695,
10.6219

347.6300,

3.5361, 1.9970,

322.9985, 430.3102

5.7022

409.3076,
382.8688, 504.6069

■ 1.4432, 0.6057,
2.5990

■ 0.2867, 0.0000,
0.8920

■ 78.2614, 66.9354,
101.7235

■ 78.2614, 66.9354,
101.7235

■ 72.9331, 56.4911,
99.2929

■ 84.5669, 79.3326,
104.4845

■ 68.5280, 47.8925,
97.1720

■ 91.8914, 93.7672,
107.5872

■ 64.9933, 41.0339,
95.3441

95.0500, 100.0000,
108.9000

■ 62.2694, 35.7960,
93.7894

■ 60.2892, 32.0443,
92.4853

■ 58.9744, 29.6228,
91.4060

■ 58.2300, 28.3409,
90.5196

■ 57.9735, 27.9534,
90.0475

Harmonies

Analogous

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



71.2328, 66.9354, 123.1747



78.2614, 66.9354, 101.7235



81.3545, 66.9354, 75.6382

Triad

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



78.2614, 66.9354, 101.7235



64.5756, 66.9354, 35.4527



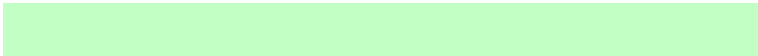
50.1139, 66.9354, 95.9463

Complementary

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



78.2614, 66.9354, 101.7235



67.9739, 86.9758, 65.4327

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.



48.6706, 66.9354, 70.1922



78.2614, 66.9354, 101.7235



56.5700, 66.9354, 38.5665

Square

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



78.2614, 66.9354, 101.7235



73.0232, 66.9354, 40.3755



50.9292, 66.9354, 50.0819



55.0609, 66.9354, 119.3516

Rectangle

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



78.2614, 66.9354, 101.7235



80.5818, 66.9354, 60.2771



50.9292, 66.9354, 50.0819



49.2230, 66.9354, 87.1303

Sweetspot

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



78.2629, 66.9380, 101.7249



89.5236, 89.0977, 106.5939



59.8545, 57.4112, 102.5345



19.0649, 18.8798, 22.7747



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.



78.2629, 66.9380, 101.7249



75.4363, 61.3930, 100.4494



73.9180, 65.2001, 78.8452



18.7654, 18.2895, 22.6479



30.3039, 14.6109, 47.1123



2.9584, 1.4257, 4.6281

Inverse Universe

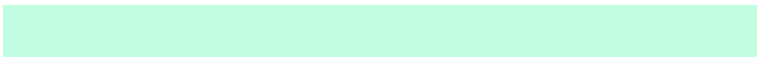
The Inverse Universe completely reimagines the original color for something new.



78.2629, 66.9380, 101.7249



75.4363, 61.3930, 100.4494



71.6712, 88.4547, 84.9022



18.7654, 18.2895, 22.6479



30.3039, 14.6109, 47.1123



2.9584, 1.4257, 4.6281

Previews

White Background



This preview shows how the XYZ color 78.2614, 66.9354, 101.7235 looks on a white background.

Color Contrast Check

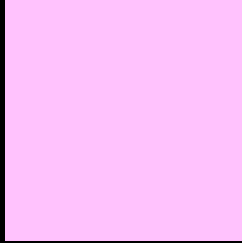
Large Text (above 18pt) WCAG AA × Fail

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 78.2614, 66.9354, 101.7235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

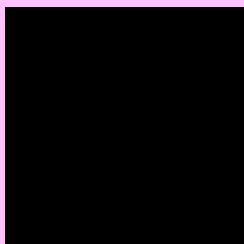
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.2614, 66.9354, 101.7235

Background



This preview shows how black text looks on a background with the XYZ color 78.2614, 66.9354, 101.7235.



This preview shows how white text looks on a background with the XYZ color 78.2614, 66.9354,

101.7235.

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

78.2614, 66.9354, 101.7235

Protanopia

66.4953, 67.1443, 104.0632

Deuteranopia

68.6711, 67.2548, 99.8046



Tritanopia

72.7057, 67.0551, 74.0767

Trichromacy



Original Color

78.2614, 66.9354, 101.7235



Protanomaly

70.1521, 66.5064, 102.9055



Deuteranomaly

71.9604, 67.1397, 100.4333



Tritanomaly

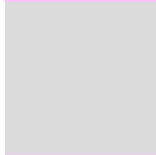
74.4818, 66.7408, 83.0854

Monochromacy



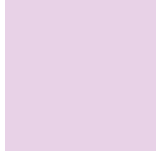
Original Color

78.2614, 66.9354, 101.7235



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

70.7491, 69.0185, 85.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2614, 66.9354, 101.7235 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, 194, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 253)  
}
```

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, 194, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 253) }
```

Border

The CSS property to change the border of an element to XYZ 78.2614, 66.9354, 101.7235 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, 194, 253) }
```


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

```
.border{ border-color:rgb(255, 194, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 194, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2614, 66.9354, 101.7235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 253) }
```

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

```
.background{ background-color: rgb(255,  
194, 253) }
```

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