

# Converting Colors

XYZ(74.1054, 58.8760,  
102.0662)

Have a look what the booklet for  
XYZ(74.1054, 58.8760, 102.0662)  
contains.

<b>XYZ(74.2530, 58.9508, 102.0728)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.2530, 58.9508,  
102.0728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEAFFF
RGB	254, 175, 255
RGB Percent	100%, 69%, 100%
CMY	0.0039, 0.3137, 0.0000
CMYK	0.00, 0.31, 0.00, 0.00
HSL	299°, 100%, 84%
HSV	299°, 31%, 100%
XYZ	74.2530, 58.9508, 102.0728
YIQ	207.7410, 21.4040, 41.6280

# Conversions

## Conversions Part 2

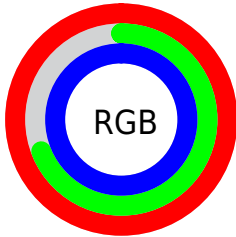
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	254, 175, 255
Decimal	16691199
CIE <sub>Lab</sub>	81.26, 41.26, -28.04
CIE <sub>LCh</sub>	81, 49.884, 325.795
Yxy	58.9508, 0.3156, 0.2506
Android (android.graphics.Color)	4294881279 (0xFFFEAFF)
YUV	207.7410, 23.2987, 40.5691
Hunter-Lab	76.7794, 38.2625, -25.0763

# Details

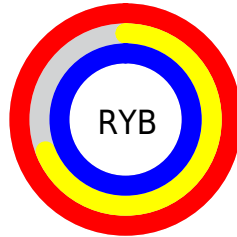
The XYZ color **74.2530, 58.9508, 102.0728** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.4039, 83.8460, 53.5080**, and the grayscale version is **59.6325, 62.7380, 68.3217**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **39.7954, 29.4877, 57.0203** is the 20% darker color. If you saturate the color by 10%, you get **69.6349, 49.8864, 100.5666**, and if you desaturate by 10%, it is **79.8118, 69.8945, 103.8922**.

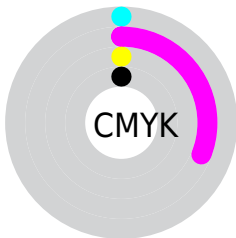
# Distribution



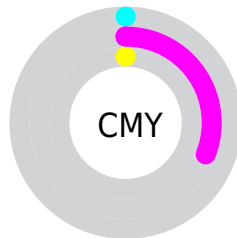
- Red (100%)
- Green (69%)
- Blue (100%)



- Red (100%)
- Yellow (69%)
- Blue (100%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2530, 58.9508, 102.0728 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 74.2530, 58.9508, 102.0728 by changing the saturation by 10% instead.





 74.2530, 58.9508,  
102.0728

 74.2530, 58.9508,  
102.0728


464.3829,  
420.7196, 588.1214

 55.2931, 42.5735,  
77.4062


 124.2480,  
103.3062, 166.0794

 39.8712, 29.5506,  
57.0728

156.0138,  
132.0530, 206.2566

 27.6219, 19.4978,  
40.6539


192.7790,  
165.6919, 252.4410

 18.1799, 12.0305,  
27.7311

234.9089,  
204.6071, 305.0513

 11.1797, 6.7644,  
17.8858

282.7689,  
249.1830, 364.5059

 6.2560, 3.3152,  
10.6994


336.7243,


 3.0435, 1.2984,


299.8042, 431.2234


5.7535

397.1406,  
356.8549, 505.6224


 1.1768, 0.1400,  
2.6294


 0.0879, 0.0000,  
0.9076

 74.2530, 58.9508,  
102.0728


 74.2530, 58.9508,  
102.0728


 69.6349, 49.8864,  
100.5666


 79.8118, 69.8945,  
103.8922

 65.8994, 42.5880,  
99.3548

 86.3549, 82.8073,  
106.0398

 62.9902, 36.9417,  
98.4183

 93.9294, 97.7825,  
108.5310

 60.8422, 32.8176,  
97.7354

95.0500, 100.0000,  
108.9000

■ 59.3805, 30.0658,  
97.2813

■ 58.5152, 28.5067,  
97.0260

■ 58.1287, 27.8813,  
96.9257

# Harmonies

## Analogous

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



65.1925, 58.9508, 130.8054



74.2530, 58.9508, 102.0728



78.4382, 58.9508, 68.4802

# Triad

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



74.2530, 58.9508, 102.0728



57.5105, 58.9508, 22.3328



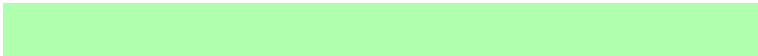
39.8836, 58.9508, 92.4780

# Complementary

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



74.2530, 58.9508, 102.0728



61.4039, 83.8460, 53.5080

# 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.



38.3577, 58.9508, 60.0778



74.2530, 58.9508, 102.0728



47.7707, 58.9508, 25.1941

# Square

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



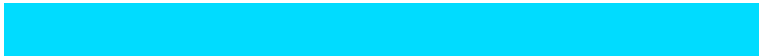
74.2530, 58.9508, 102.0728



68.0433, 58.9508, 27.5136



41.0643, 58.9508, 37.0713



45.5227, 58.9508, 124.1691



# Rectangle

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



74.2530, 58.9508, 102.0728



77.5639, 58.9508, 49.8247



41.0643, 58.9508, 37.0713



38.9050, 58.9508, 81.0747

# Sweetspot

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



74.2547, 58.9533, 102.0732



88.0554, 86.1671, 106.5986



51.3224, 47.5184, 101.0747



18.6226, 17.9989, 22.7426



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.



74.2547, 58.9533, 102.0732



71.0904, 52.7392, 101.0406



69.0093, 56.8975, 72.5389



18.7690, 18.2881, 22.7907



30.3838, 14.5739, 50.6462



2.9653, 1.4226, 4.9316



# Inverse Universe

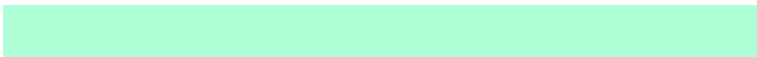
The Inverse Universe completely reimagines the original color for something new.



64.4080, 55.0570, 48.3089



59.7688, 48.2618, 39.1071



65.5359, 85.4728, 76.4412



18.0186, 17.9908, 18.7151



21.5619, 11.1140, 1.0773



2.1025, 1.0834, 0.1211



# Previews

## White Background



This preview shows how the XYZ color 74.2530, 58.9508, 102.0728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

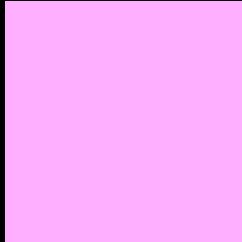
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2530, 58.9508, 102.0728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

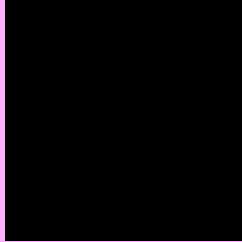
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.2530, 58.9508, 102.0728**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2530, 58.9508, 102.0728.



This preview shows how white text looks on a background with the XYZ color 74.2530, 58.9508,



# 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

74.2530, 58.9508, 102.0728

### Protanopia

59.4433, 59.2199, 102.9053

### Deuteranopia

60.6326, 59.2235, 99.5024



## Tritanopia

66.3420, 59.0621, 62.5471

# Trichromacy



## Original Color

74.2530, 58.9508, 102.0728



## Protanomaly

63.8322, 58.4787, 102.5309



## Deuteranomaly

64.8976, 58.7606, 100.0169



## Tritanomaly

69.0706, 58.9472, 75.4477

# Monochromacy



## Original Color

74.2530, 58.9508, 102.0728



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

64.3819, 60.9236, 79.6003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2530, 58.9508, 102.0728 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(254, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 175, 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(254, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 175, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2530, 58.9508, 102.0728 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(254, 175, 255) }
```



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

```
.border{ border-color:rgb(254, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 175,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2530, 58.9508, 102.0728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 175, 255) }
```

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

```
.background{ background-color: rgb(254,  
175, 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