

# Converting Colors

XYZ(74.5507, 70.5716,  
104.3002)

Have a look what the booklet for  
XYZ(74.5507, 70.5716, 104.3002)  
contains.

<b>XYZ(74.7009, 70.6368, 104.3049)</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(74.7009, 70.6368,  
104.3049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D2FF
RGB	233, 210, 255
RGB Percent	91%, 82%, 100%
CMY	0.0863, 0.1765, 0.0000
CMYK	0.09, 0.18, 0.00, 0.00
HSL	271°, 100%, 91%
HSV	271°, 18%, 100%
XYZ	74.7009, 70.6368, 104.3049
YIQ	222.0070, -0.7370, 18.8710

# Conversions

## Conversions Part 2

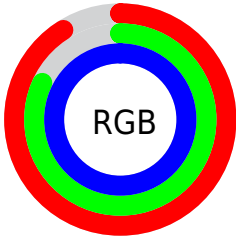
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 210, 255
Decimal	15323903
CIE Lab	87.31, 16.13, -19.04
CIE LCh	87, 24.952, 310.269
Yxy	70.6368, 0.2992, 0.2830
Android (android.graphics.Color)	4293513983 (0xFFE9D2FF)
YUV	222.0070, 16.2655, 9.6409
Hunter-Lab	84.0457, 11.5731, -14.7499

# Details

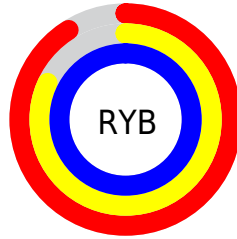
The XYZ color **74.7009, 70.6368, 104.3049** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.6731, 93.3297, 74.7386**, and the grayscale version is **69.3270, 72.9374, 79.4289**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0458, 36.8670, 58.4315** is the 20% darker color. If you saturate the color by 10%, you get **64.9731, 57.0105, 102.1874**, and if you desaturate by 10%, it is **85.7232, 86.4232, 106.7710**.

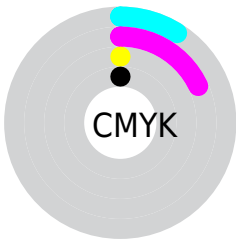
# Distribution



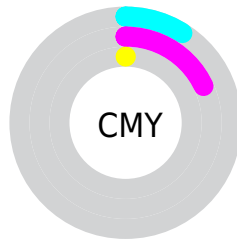
- Red (91%)
- Green (82%)
- Blue (100%)



- Red (91%)
- Yellow (82%)
- Blue (100%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7009, 70.6368, 104.3049 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 74.7009, 70.6368, 104.3049 by changing the saturation by 10% instead.




 74.7009, 70.6368,  
104.3049

 74.7009, 70.6368,  
104.3049


465.9019,  
462.7828, 595.2723

 55.6612, 52.0459,  
79.2637


124.8791,  
120.1164, 169.1639

 40.1673, 37.0416,  
58.5901

156.7482,  
151.7739, 209.8188

 27.8538, 25.2397,  
41.8654

193.6246,  
188.5557, 256.5154

 18.3554, 16.2557,  
28.6711

235.8735,  
230.8461, 309.6722

 11.3067, 9.7053,  
18.5887

283.8604,  
279.0297, 369.7078

 6.3423, 5.2040,  
11.1997

337.9505,

 3.0969, 2.3675,

333.4907, 437.0406

6.0855

398.5092,  
394.6136, 512.0893

■ 1.2052, 0.8091,  
2.8275

■ 0.1105, 0.0000,  
1.0072

■ 74.7009, 70.6368,  
104.3049

■ 74.7009, 70.6368,  
104.3049

■ 64.9731, 57.0105,  
102.1874

■ 85.7232, 86.4232,  
106.7710

■ 56.4807, 45.4379,  
100.4013

95.0500, 100.0000,  
108.9000

■ 49.1684, 35.8161,  
98.9295

■ 42.9737, 28.0300,  
97.7531

■ 37.8279, 21.9518,  
96.8511

■ 33.6536, 17.4363,  
96.1995

■ 30.3602, 14.3133,  
95.7703

■ 27.8304, 12.3587,  
95.5264

■ 27.3069, 11.9921,  
95.4832

# Harmonies

## Analogous

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



69.1704, 70.6368, 113.3028



74.7009, 70.6368, 104.3049



78.3321, 70.6368, 88.3481

# Triad

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



74.7009, 70.6368, 104.3049



71.0210, 70.6368, 50.3215



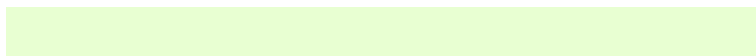
56.6336, 70.6368, 82.8190

# Complementary

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



74.7009, 70.6368, 104.3049



80.6731, 93.3297, 74.7386

# 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.



57.0649, 70.6368, 66.5070



74.7009, 70.6368, 104.3049



65.1461, 70.6368, 49.2887

# Square

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



74.7009, 70.6368, 104.3049



76.1233, 70.6368, 57.8530



60.1039, 70.6368, 54.7906



58.8894, 70.6368, 99.7537



# Rectangle

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



74.7009, 70.6368, 104.3049



79.0687, 70.6368, 76.7597



60.1039, 70.6368, 54.7906



56.4725, 70.6368, 77.0635

# Sweetspot

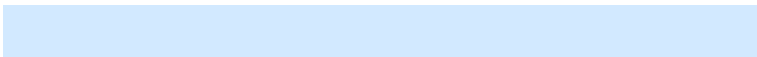
The Sweet Spot groups the original color and five complimentary colors.



74.7028, 70.6397, 104.3053



88.8604, 90.9701, 107.4833



73.6281, 78.9189, 105.9600



18.8394, 19.2095, 22.9648



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.



74.7028, 70.6397, 104.3053



71.2973, 65.8318, 103.5568



82.3378, 74.5757, 104.6626



17.8883, 17.8341, 22.7495



14.4415, 6.3553, 49.9001



1.5322, 0.6838, 4.8645



# Inverse Universe

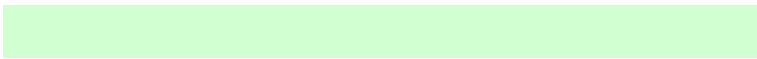
The Inverse Universe completely reimagines the original color for something new.



78.8537, 73.1820, 86.3155



76.1840, 68.8243, 82.3991



73.9733, 89.8758, 74.4250



18.3795, 18.1351, 20.6155



23.5468, 11.9080, 11.5301



2.3477, 1.1814, 1.4122



# Previews

## White Background



This preview shows how the XYZ color 74.7009, 70.6368, 104.3049 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

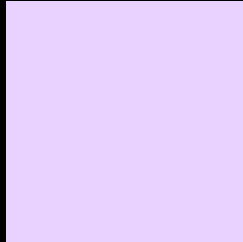
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7009, 70.6368, 104.3049 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

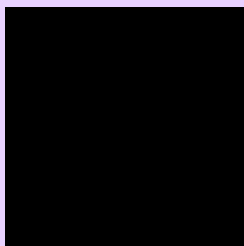
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.7009, 70.6368, 104.3049**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7009, 70.6368, 104.3049.



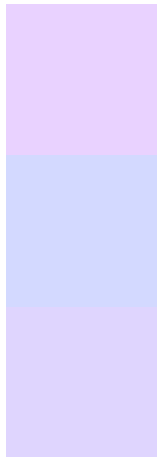
This preview shows how white text looks on a background with the XYZ color 74.7009, 70.6368,



# 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

74.7009, 70.6368, 104.3049

### Protanopia

69.7268, 70.6946, 104.5782

### Deuteranopia

72.1151, 70.4322, 103.5598



## Tritanopia

70.7835, 70.5207, 85.4825

# Trichromacy



## Original Color

74.7009, 70.6368, 104.3049

## Protanomaly

71.3100, 70.3732, 104.4327

## Deuteranomaly

73.1114, 70.5736, 103.5346

## Tritanomaly

72.1556, 70.7028, 92.2821

# Monochromacy



## Original Color

74.7009, 70.6368, 104.3049

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.2867, 72.2521, 88.0307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7009, 70.6368, 104.3049 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(233, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 210, 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(233, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 210, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7009, 70.6368, 104.3049 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(233, 210, 255) }
```



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

```
.border{ border-color:rgb(233, 210, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 210, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 210,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7009, 70.6368, 104.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 210, 255) }
```

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

```
.background{ background-color: rgb(233,  
210, 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](#).

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