

# Converting Colors

XYZ(84.8290, 76.6186,  
151.6424)

Have a look what the booklet for  
XYZ(84.8290, 76.6186, 151.6424)  
contains.

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# Color

**XYZ(75.9547, 73.1445,  
104.7228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D7FF
RGB	233, 215, 255
RGB Percent	91%, 84%, 100%
CMY	0.0863, 0.1568, 0.0000
CMYK	0.09, 0.16, 0.00, 0.00
HSL	267°, 100%, 92%
HSV	267°, 16%, 100%
XYZ	75.9547, 73.1445, 104.7228
YIQ	224.9420, -2.1120, 16.2560

# Conversions

## Conversions Part 2

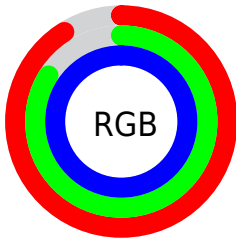
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 215, 255
Decimal	15325183
CIE Lab	88.52, 13.49, -17.22
CIE LCh	89, 21.872, 308.072
Yxy	73.1445, 0.2992, 0.2882
Android (android.graphics.Color)	4293515263 (0xFFE9D7FF)
YUV	224.9420, 14.8186, 7.0669
Hunter-Lab	85.5246, 8.8586, -12.7320

# Details

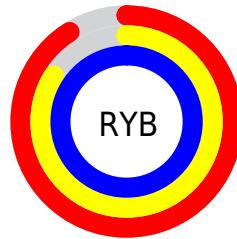
The XYZ color **75.9547, 73.1445, 104.7228** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.9525, 94.4316, 78.1485**, and the grayscale version is **71.4262, 75.1459, 81.8339**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8953, 38.5659, 58.7146** is the 20% darker color. If you saturate the color by 10%, you get **65.5628, 58.8894, 102.5190**, and if you desaturate by 10%, it is **87.7265, 89.6172, 107.2819**.

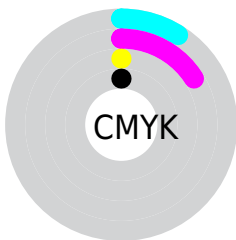
# Distribution



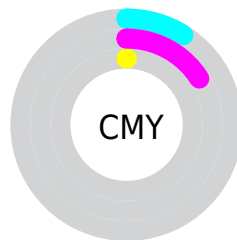
- Red (91%)
- Green (84%)
- Blue (100%)



- Red (91%)
- Yellow (84%)
- Blue (100%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9547, 73.1445, 104.7228 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 75.9547, 73.1445, 104.7228 by changing the saturation by 10% instead.



75.9547, 73.1445,  
104.7228

75.9547, 73.1445,  
104.7228

470.1394,  
471.5155, 596.6061

56.6923, 54.0941,  
79.6118

126.6436,  
123.6823, 169.7407

40.9974, 38.6769,  
58.8747

158.8007,  
155.9386, 210.4846

28.5047, 26.5085,  
42.0929

195.9869,  
193.3656, 257.2766

18.8489, 17.2044,  
28.8479

238.5673,  
236.3477, 310.5351

11.6645, 10.3803,  
18.7212

286.9074,  
285.2693, 370.6788

6.5862, 5.6519,  
11.2942

341.3726,

3.2487, 2.6346,

340.5149, 438.1262

6.1485

402.3281,  
402.4688, 513.2958

■ 1.2866, 0.9441,  
2.8653

■ 0.1732, 0.0000,  
1.0263

■ 75.9547, 73.1445,  
104.7228

■ 75.9547, 73.1445,  
104.7228

■ 65.5628, 58.8894,  
102.5190

■ 87.7265, 89.6172,  
107.2819

■ 56.4897, 46.7450,  
100.6531

95.0500, 100.0000,  
108.9000

■ 48.6783, 36.6090,  
99.1084

■ 42.0644, 28.3668,  
97.8660

■ 36.5778, 21.8918,  
96.9054

■ 32.1398, 17.0412,  
96.2031

■ 28.6596, 13.6488,  
95.7317

■ 26.0266, 11.5098,  
95.4576

■ 25.0867, 10.8476,  
95.3793

# Harmonies

## Analogous

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



70.9533, 73.1445, 111.9435



75.9547, 73.1445, 104.7228



79.3445, 73.1445, 90.9700

# Triad

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



75.9547, 73.1445, 104.7228



73.3721, 73.1445, 55.6552



59.9702, 73.1445, 83.7839

# Complementary

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



75.9547, 73.1445, 104.7228



82.9525, 94.4316, 78.1485

# Split Complementary

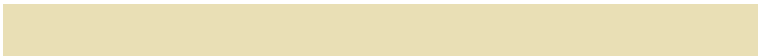
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.5449, 73.1445, 69.2956



75.9547, 73.1445, 104.7228



68.1094, 73.1445, 54.2414

# Square

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



75.9547, 73.1445, 104.7228



77.8018, 73.1445, 63.0640



63.4625, 73.1445, 58.9240



61.8509, 73.1445, 98.8968



# Rectangle

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



75.9547, 73.1445, 104.7228



80.1409, 73.1445, 80.6215



63.4625, 73.1445, 58.9240



59.8845, 73.1445, 78.6703

# Sweetspot

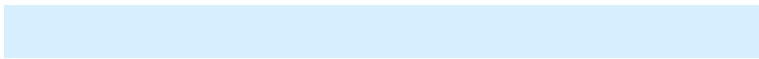
The Sweet Spot groups the original color and five complimentary colors.



75.9567, 73.1475, 104.7233



88.5835, 90.8273, 107.4703



76.5541, 82.6243, 106.5210



18.7722, 19.1748, 22.9617



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.



75.9567, 73.1475, 104.7233



72.3605, 68.1794, 103.9539



82.6176, 76.5813, 105.0350



17.7792, 17.7779, 22.7444



13.2747, 5.7538, 49.8455



1.4162, 0.6240, 4.8591



# Inverse Universe

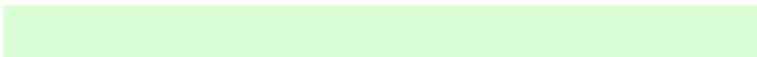
The Inverse Universe completely reimagines the original color for something new.



80.8283, 75.9781, 90.5283



78.1803, 71.5624, 86.9319



76.8417, 91.2814, 77.8626



18.4275, 18.1543, 20.8683



24.1084, 12.1327, 14.4874



2.4025, 1.2034, 1.7007



# Previews

## White Background



This preview shows how the XYZ color 75.9547, 73.1445, 104.7228 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

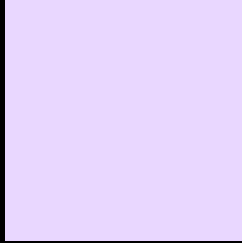
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9547, 73.1445, 104.7228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

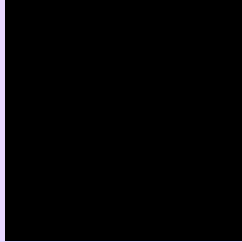
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.9547, 73.1445, 104.7228

## Background



This preview shows how black text looks on a background with the XYZ color 75.9547, 73.1445, 104.7228.



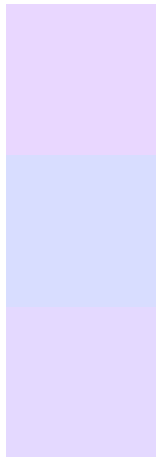
This preview shows how white text looks on a background with the XYZ color 75.9547, 73.1445,

104.7228.

# 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

75.9547, 73.1445, 104.7228

### Protanopia

72.2254, 73.5318, 104.9941

### Deuteranopia

74.8578, 73.3397, 104.8183



## Tritanopia

72.8449, 73.0219, 89.6122

# Trichromacy



## Original Color

75.9547, 73.1445, 104.7228

## Protanomaly

73.5057, 73.4126, 104.9036

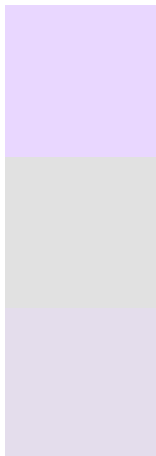
## Deuteranomaly

75.2390, 73.1547, 104.7625

## Tritanomaly

73.9455, 73.0857, 95.0036

# Monochromacy



## Original Color

75.9547, 73.1445, 104.7228

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

72.9917, 74.2630, 89.8440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9547, 73.1445, 104.7228 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 215, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9547, 73.1445, 104.7228 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".

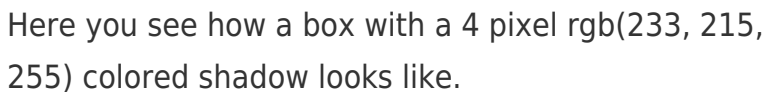
```
.border, #border, table{ border:4px solid rgb(233, 215, 255) }
```



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

```
.border{ border-color:rgb(233, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 215, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 215, 255); box-shadow:4px 4px 4px 4px rgb(233, 215, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9547, 73.1445, 104.7228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 215, 255) }
```

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

```
.background{ background-color: rgb(233,  
215, 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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