

# Converting Colors

XYZ(73.5146, 66.4000,  
101.5932)

Have a look what the booklet for  
XYZ(73.5146, 66.4000, 101.5932)  
contains.

<b>XYZ(73.6438, 66.5775, 101.8978)</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(73.6438, 66.5775,  
101.8978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEC8FD
RGB	238, 200, 253
RGB Percent	93%, 78%, 99%
CMY	0.0667, 0.2157, 0.0078
CMYK	0.06, 0.21, 0.00, 0.01
HSL	283°, 93%, 89%
HSV	283°, 21%, 99%
XYZ	73.6438, 66.5775, 101.8978
YIQ	217.4040, 5.6350, 24.5390

# Conversions

## Conversions Part 2

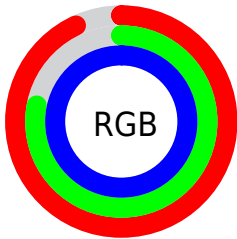
Format	Color
R <sub>Y</sub> B	238, 200, 253
Decimal	15649021
CIE Lab	85.29, 22.64, -20.99
CIE LCh	85, 30.874, 317.166
Yxy	66.5775, 0.3042, 0.2750
Android (android.graphics.Color)	4293839101 (0xFFEEC8FD)
YUV	217.4040, 17.5488, 18.0627
Hunter-Lab	81.5950, 18.3143, -16.9262

# Details

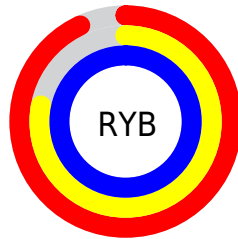
The XYZ color **73.6438, 66.5775, 101.8978** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.5772, 88.8694, 67.9223**, and the grayscale version is **66.1128, 69.5558, 75.7463**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5341, 34.4884, 56.7978** is the 20% darker color. If you saturate the color by 10%, you get **65.9063, 54.5997, 99.9947**, and if you desaturate by 10%, it is **82.4506, 80.5493, 104.1315**.

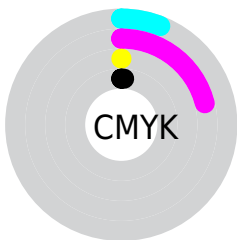
# Distribution



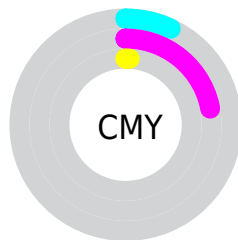
- Red (93%)
- Green (78%)
- Blue (99%)



- Red (93%)
- Yellow (78%)
- Blue (99%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (22%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6438, 66.5775, 101.8978 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 73.6438, 66.5775, 101.8978 by changing the saturation by 10% instead.



73.6438, 66.5775,  
101.8978

73.6438, 66.5775,  
101.8978

462.3124,  
448.4394, 587.5588

54.7928, 48.7414,  
77.2607

123.3890,  
114.3148, 165.8373

39.4690, 34.4143,  
56.9540

155.0138,  
144.9847, 205.9769

27.3072, 23.2121,  
40.5592

191.6273,  
180.7014, 252.1209

17.9418, 14.7502,  
27.6577

233.5949,  
221.8492, 304.6881

11.0077, 8.6443,  
17.8310

281.2818,  
268.8125, 364.0970

6.1393, 4.5099,  
10.6606

335.0535,

2.9714, 1.9627,

321.9757, 430.7660

5.7278

395.2752,  
381.7232, 505.1138

■ 1.1387, 0.5857,  
2.6142

■ 0.0571, 0.0000,  
0.8998

■ 73.6438, 66.5775,  
101.8978

■ 73.6438, 66.5775,  
101.8978

■ 65.9063, 54.5997,  
99.9947

■ 82.4506, 80.5493,  
104.1315

■ 59.1831, 44.5115,  
98.4018

■ 92.3658, 96.5958,  
106.7062

■ 53.4235, 36.2118,  
97.1034

94.7298, 99.8719,  
107.2139

■ 48.5696, 29.5865,  
96.0804

■ 44.5567, 24.5080,  
95.3116

■ 41.3108, 20.8299,  
94.7728

■ 38.7434, 18.3768,  
94.4346

■ 36.8788, 16.9636,  
94.2601

# Harmonies

## Analogous

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



67.3254, 66.5775, 115.7795



73.6438, 66.5775, 101.8978



77.2922, 66.5775, 81.3711

# Triad

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



73.6438, 66.5775, 101.8978



66.3088, 66.5775, 41.0957



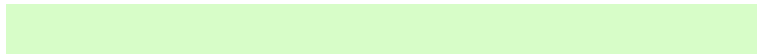
51.3006, 66.5775, 84.4414

# Complementary

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



73.6438, 66.5775, 101.8978



73.5772, 88.8694, 67.9223

# 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.



51.0726, 66.5775, 64.2828



73.6438, 66.5775, 101.8978



59.3998, 66.5775, 41.6132

# Square

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



73.6438, 66.5775, 101.8978



72.8526, 66.5775, 47.7947



53.9371, 66.5775, 49.3687



54.5848, 66.5775, 104.4987



# Rectangle

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



73.6438, 66.5775, 101.8978



77.5558, 66.5775, 67.8003



53.9371, 66.5775, 49.3687



50.8730, 66.5775, 77.3944

# Sweetspot

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



73.6459, 66.5803, 101.8993



88.7866, 89.8116, 107.2636



65.8563, 67.9834, 102.5806



18.8635, 18.9961, 22.9224



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.



73.6459, 66.5803, 101.8993



71.6461, 62.5879, 102.9123



77.1187, 68.5757, 92.7978



18.2622, 18.0269, 22.7670



19.7680, 9.1013, 50.1494



2.0319, 0.9414, 4.8879



# Inverse Universe

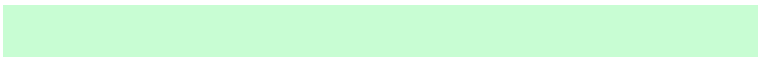
The Inverse Universe completely reimagines the original color for something new.



73.4302, 67.1003, 73.3743



71.4703, 63.2487, 68.9532



70.7656, 87.2590, 75.0619



18.2207, 18.0716, 19.7793



22.2177, 11.3764, 4.5307

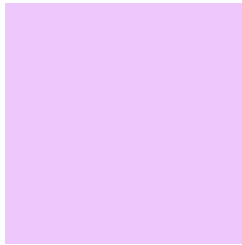


2.2077, 1.1254, 0.6750



# Previews

## White Background



This preview shows how the XYZ color 73.6438, 66.5775, 101.8978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

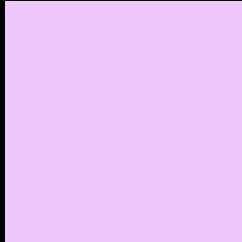
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6438, 66.5775, 101.8978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

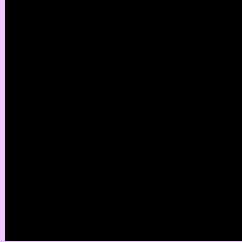
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.6438, 66.5775, 101.8978

## Background



This preview shows how black text looks on a background with the XYZ color 73.6438, 66.5775, 101.8978.



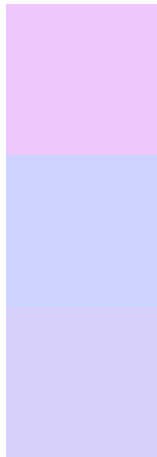
This preview shows how white text looks on a background with the XYZ color 73.6438, 66.5775,



# 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

73.6438, 66.5775, 101.8978

### Protanopia

66.4953, 67.1443, 104.0632

### Deuteranopia

67.9928, 66.5239, 100.5236



## Tritanopia

68.8604, 66.7402, 78.3600

# Trichromacy



## Original Color

73.6438, 66.5775, 101.8978

## Protanomaly

68.7642, 66.8664, 103.0482

## Deuteranomaly

69.8334, 66.3789, 101.2272

## Tritanomaly

70.5618, 66.7311, 86.2522

# Monochromacy



## Original Color

73.6438, 66.5775, 101.8978

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

68.6285, 68.3093, 84.4308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6438, 66.5775, 101.8978 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(238, 200, 253)` looks like.

```
.text, #text, p{  
    color:rgb(238, 200, 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(238, 200, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 200, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6438, 66.5775, 101.8978 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(238, 200, 253) }
```



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

```
.border{ border-color:rgb(238, 200, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 200, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 200, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 200, 253);  
box-shadow:4px 4px 4px 4px rgb(238, 200,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6438, 66.5775, 101.8978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 200, 253) }
```

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

```
.background{ background-color: rgb(238,  
200, 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