

# Converting Colors

XYZ(73.2394, 73.7081, 92.4890)

Have a look what the booklet for  
XYZ(73.2394, 73.7081, 92.4890)  
contains.

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# Color

**XYZ(73.0546, 73.4483,  
92.7646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4DBF0
RGB	228, 219, 240
RGB Percent	89%, 86%, 94%
CMY	0.1059, 0.1412, 0.0588
CMYK	0.05, 0.09, 0.00, 0.06
HSL	266°, 41%, 90%
HSV	266°, 9%, 94%
XYZ	73.0546, 73.4483, 92.7646
YIQ	224.0850, -1.3770, 8.4390

# Conversions

## Conversions Part 2

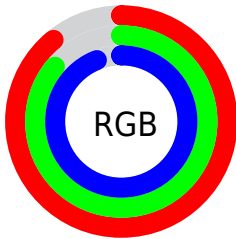
Format	Color
R <sub>Y</sub> B	228, 219, 240
Decimal	14998512
CIE Lab	88.66, 6.88, -9.15
CIE LCh	89, 11.449, 306.952
Yxy	73.4483, 0.3053, 0.3070
Android (android.graphics.Color)	4293188592 (0xFFE4DBF0)
YUV	224.0850, 7.8461, 3.4335
Hunter-Lab	85.7020, 2.1796, -4.1846

# Details

The XYZ color **73.0546, 73.4483, 92.7646** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.9040, 84.4255, 79.2640**, and the grayscale version is **70.8605, 74.5508, 81.1858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1608, 38.8958, 50.7911** is the 20% darker color. If you saturate the color by 10%, you get **63.0595, 59.6630, 90.6317**, and if you desaturate by 10%, it is **84.3019, 89.2232, 95.2178**.

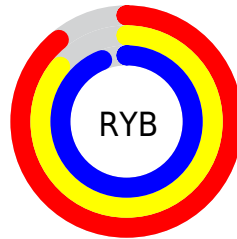
# Distribution



Red (89%)

Green (86%)

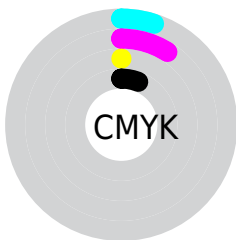
Blue (94%)



Red (89%)

Yellow (86%)

Blue (94%)

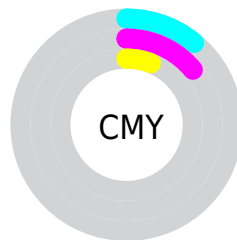


Cyan (5%)

Magenta (9%)

Yellow (0%)

Black (6%)



Cyan (11%)

Magenta (14%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0546, 73.4483, 92.7646 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 73.0546, 73.4483, 92.7646 by changing the saturation by 10% instead.



73.0546, 73.4483,  
92.7646

73.0546, 73.4483,  
92.7646

460.3049,  
472.5671, 557.7840

54.3091, 54.3426,  
69.6893

122.5574,  
124.1134, 153.1415

39.0805, 38.8756,  
50.7980

154.0455,  
156.4416, 191.2803

27.0034, 26.6630,  
35.6723

190.5119,  
193.9462, 235.2772

17.7124, 17.3203,  
23.8935

232.3218,  
237.0114, 285.5509

10.8421, 10.4631,  
15.0432

279.8408,  
286.0217, 342.5199

6.0273, 5.7071,  
8.7027

333.4340,

2.9025, 2.6678,

341.3615, 406.6027

4.4536

393.4669,  
403.4151, 478.2179

■ 1.1024, 0.9609,  
1.8774

■ 0.0271, 0.0000,  
0.4783

■ 73.0546, 73.4483,  
92.7646

■ 73.0546, 73.4483,  
92.7646

■ 63.0595, 59.6630,  
90.6317

■ 84.3019, 89.2232,  
95.2178

■ 54.2639, 47.7769,  
88.8010

■ 92.7284, 99.0714,  
96.6745

■ 46.6203, 37.7065,  
87.2601

■ 40.0756, 29.3582,  
85.9937

■ 34.5720, 22.6298,  
84.9850

■ 30.0460, 17.4079,  
84.2156

■ 26.4260, 13.5638,  
83.6644

■ 23.6283, 10.9459,  
83.3066

■ 21.5343, 9.3328,  
83.1056

# Harmonies

## Analogous

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



70.4557, 73.4483, 96.0547



73.0546, 73.4483, 92.7646



74.8164, 73.4483, 86.0815

# Triad

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



73.0546, 73.4483, 92.7646



71.9120, 73.4483, 66.7674



64.6661, 73.4483, 81.8294

# Complementary

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



73.0546, 73.4483, 92.7646



76.9040, 84.4255, 79.2640

# Split Complementary

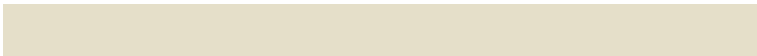
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.0328, 73.4483, 74.1600



73.0546, 73.4483, 92.7646



69.1690, 73.4483, 65.7941

# Square

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



73.0546, 73.4483, 92.7646



74.1447, 73.4483, 71.1665



66.6637, 73.4483, 68.4144



65.6484, 73.4483, 89.4770



# Rectangle

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



73.0546, 73.4483, 92.7646



75.2537, 73.4483, 80.7848



66.6637, 73.4483, 68.4144



64.6361, 73.4483, 79.1661

# Sweetspot

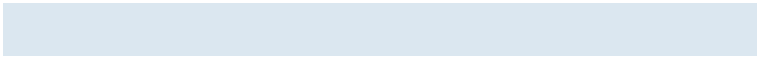
The Sweet Spot groups the original color and five complimentary colors.



73.0568, 73.4514, 92.7662



91.0676, 94.3960, 108.0282



73.5902, 78.6458, 93.7407



19.2692, 19.8917, 23.0738



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.



73.0568, 73.4514, 92.7662



82.2879, 82.1357, 106.1245



76.4058, 75.1779, 92.9229



15.5395, 15.5598, 19.9059



11.8069, 5.0921, 45.4884



1.0938, 0.4812, 3.7894



# Inverse Universe

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



75.6931, 74.9611, 86.0845



85.7382, 84.1119, 97.3630



73.6916, 82.7695, 79.1136



16.1514, 15.9103, 18.3534



22.2177, 11.1595, 14.3289

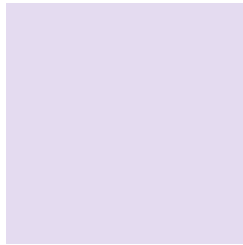


1.8980, 0.9483, 1.4539



# Previews

## White Background



This preview shows how the XYZ color 73.0546, 73.4483, 92.7646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

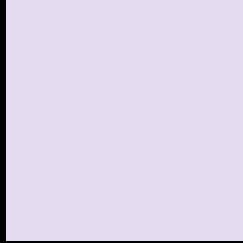
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0546, 73.4483, 92.7646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

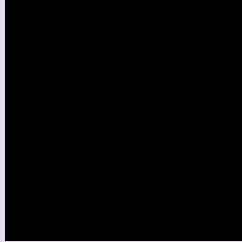
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.0546, 73.4483, 92.7646

## Background



This preview shows how black text looks on a background with the XYZ color 73.0546, 73.4483, 92.7646.



This preview shows how white text looks on a background with the XYZ color 73.0546, 73.4483,



# 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

73.0546, 73.4483, 92.7646

### Protanopia

71.5524, 73.4359, 93.6224

### Deuteranopia

75.0251, 73.2955, 93.4123



## Tritanopia

72.8742, 73.7948, 90.5237

# Trichromacy



## Original Color

73.0546, 73.4483, 92.7646

## Protanomaly

72.2109, 73.3846, 93.5778

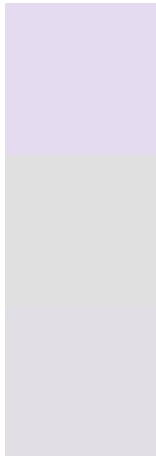
## Deuteranomaly

74.2943, 73.3002, 93.4517

## Tritanomaly

73.0207, 73.8534, 91.2955

# Monochromacy



## Original Color

73.0546, 73.4483, 92.7646

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.4555, 73.9633, 85.3731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0546, 73.4483, 92.7646 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(228, 219, 240)` looks like.

```
.text, #text, p{  
    color:rgb(228, 219, 240)  
}
```

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(228, 219, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 219, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0546, 73.4483, 92.7646 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(228, 219, 240) }
```



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

```
.border{ border-color:rgb(228, 219, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 219, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 219, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 219, 240);  
box-shadow:4px 4px 4px 4px rgb(228, 219,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0546, 73.4483, 92.7646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 219, 240) }
```

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

```
.background{ background-color: rgb(228,  
219, 240) }
```

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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