

# Converting Colors

XYZ(75.3563, 74.4009, 93.2791)

Have a look what the booklet for  
XYZ(75.3563, 74.4009, 93.2791)  
contains.

<b>XYZ(75.2095, 74.1558, 93.5686)</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(75.2095, 74.1558,  
93.5686)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBDAF1
RGB	235, 218, 241
RGB Percent	92%, 85%, 95%
CMY	0.0784, 0.1451, 0.0549
CMYK	0.02, 0.10, 0.00, 0.05
HSL	284°, 45%, 90%
HSV	284°, 10%, 95%
XYZ	75.2095, 74.1558, 93.5686
YIQ	225.7050, 2.7490, 10.7570

# Conversions

## Conversions Part 2

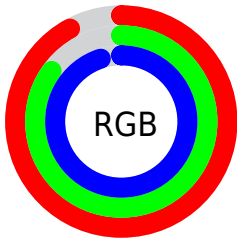
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 218, 241
Decimal	15457009
CIE Lab	89.00, 9.90, -9.12
CIE LCh	89, 13.458, 317.350
Yxy	74.1558, 0.3096, 0.3053
Android (android.graphics.Color)	4293647089 (0xFFE8DAF1)
YUV	225.7050, 7.5404, 8.1517
Hunter-Lab	86.1138, 5.1981, -4.1431

# Details

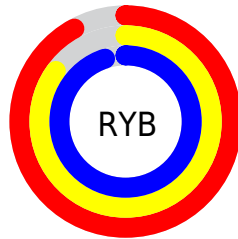
The XYZ color **75.2095, 74.1558, 93.5686** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.8533, 83.8218, 78.5674**, and the grayscale version is **72.0234, 75.7743, 82.5182**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4446, 39.2809, 51.3492** is the 20% darker color. If you saturate the color by 10%, you get **67.3699, 61.5033, 91.5407**, and if you desaturate by 10%, it is **84.0355, 88.6698, 95.9060**.

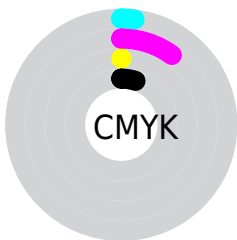
# Distribution



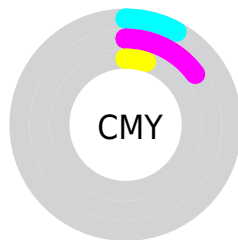
- Red (92%)
- Green (85%)
- Blue (95%)



- Red (92%)
- Yellow (85%)
- Blue (95%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (15%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2095, 74.1558, 93.5686 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 75.2095, 74.1558, 93.5686 by changing the saturation by 10% instead.



75.2095, 74.1558,  
93.5686

75.2095, 74.1558,  
93.5686

467.6234,  
475.0109, 560.4391

56.0793, 54.9216,  
70.3539

125.5952,  
125.1166, 154.2641

40.5038, 39.3389,  
51.3365

157.5814,  
157.6120, 192.5820

28.1175, 27.0235,  
36.0979

194.5837,  
195.2966, 236.7713

18.5552, 17.5909,  
24.2195

236.9674,  
238.5547, 287.2507

11.4514, 10.6567,  
15.2828

285.0979,  
287.7709, 344.4386

6.4408, 5.8365,  
8.8693

339.3405,

3.1581, 2.7459,

343.3293, 408.7536

4.5604

400.0605,  
405.6145, 480.6143

■ 1.2379, 1.0006,  
1.9375

■ 0.1360, 0.0000,  
0.5165

■ 75.2095, 74.1558,  
93.5686

■ 75.2095, 74.1558,  
93.5686

■ 67.3699, 61.5033,  
91.5407

■ 84.0355, 88.6698,  
95.9060

■ 60.4705, 50.6243,  
89.8045

■ 90.1991, 97.7502,  
97.3339

■ 54.4706, 41.4379,  
88.3476

■ 92.4611, 98.9163,  
97.4397

■ 49.3243, 33.8529,  
87.1548

■ 92.8774, 99.1310,  
97.4592

■ 44.9810, 27.7696,  
86.2095

■ 41.3846, 23.0768,  
85.4932

■ 38.4711, 19.6478,  
84.9849

■ 36.1645, 17.3319,  
84.6595

■ 34.3440, 15.8886,  
84.4769

# Harmonies

## Analogous

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



72.3746, 74.1558, 99.1802



75.2095, 74.1558, 93.5686



76.7978, 74.1558, 84.7513

# Triad

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



75.2095, 74.1558, 93.5686



71.8689, 74.1558, 64.4160



64.6499, 74.1558, 86.2331

# Complementary

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



75.2095, 74.1558, 93.5686



74.8533, 83.8218, 78.5674

# 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.



64.5239, 74.1558, 76.8633



75.2095, 74.1558, 93.5686



68.6244, 74.1558, 64.7453

# Square

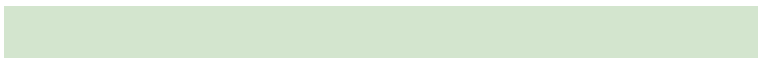
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2095, 74.1558, 93.5686



74.8294, 74.1558, 68.2092



65.9585, 74.1558, 69.1466



66.3080, 74.1558, 94.7254



# Rectangle

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



75.2095, 74.1558, 93.5686



76.9048, 74.1558, 78.4611



65.9585, 74.1558, 69.1466



64.4288, 74.1558, 83.0688

# Sweetspot

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



75.2117, 74.1590, 93.5702



91.9274, 94.8392, 108.0684



71.4851, 74.6425, 93.8600



19.5014, 20.0114, 23.0847



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.



75.2117, 74.1590, 93.5702



84.1040, 82.0291, 106.0082



76.4363, 74.8816, 89.5046



16.0284, 15.8118, 19.9288



18.7142, 8.6529, 45.8117



1.6493, 0.7675, 3.8154



# Inverse Universe

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



74.8041, 74.2287, 80.9096



83.5853, 82.1268, 89.4908



73.7401, 83.1654, 82.2407



15.9421, 15.8265, 17.2512



20.2029, 10.3536, 3.7193

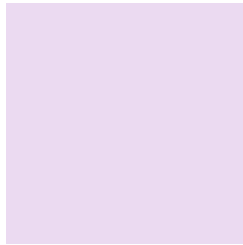


1.7201, 0.8771, 0.5171



# Previews

## White Background



This preview shows how the XYZ color 75.2095, 74.1558, 93.5686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

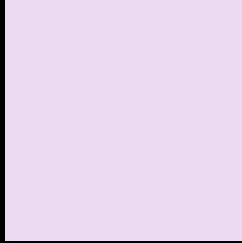
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2095, 74.1558, 93.5686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

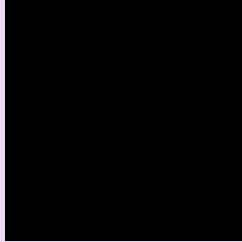
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.2095, 74.1558, 93.5686**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2095, 74.1558, 93.5686.



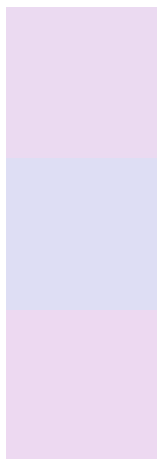
This preview shows how white text looks on a background with the XYZ color 75.2095, 74.1558,

93.5686.

# 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

75.2095, 74.1558, 93.5686

### Protanopia

72.5746, 74.3038, 96.1049

### Deuteranopia

75.6151, 73.9811, 93.5135



## Tritanopia

74.4035, 74.2116, 89.7597

# Trichromacy



## Original Color

75.2095, 74.1558, 93.5686

## Protanomaly

73.7127, 74.5149, 95.2918

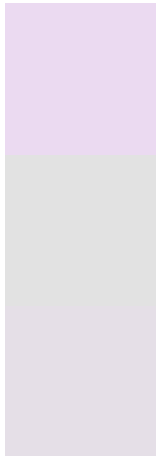
## Deuteranomaly

75.2821, 73.8094, 93.4979

## Tritanomaly

74.6958, 74.3285, 91.2989

# Monochromacy



## Original Color

75.2095, 74.1558, 93.5686

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.1246, 75.2029, 86.2628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2095, 74.1558, 93.5686 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(235, 218, 241) looks like.

```
.text, #text, p{  
    color:rgb(235, 218, 241)  
}
```

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(235, 218, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 218, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2095, 74.1558, 93.5686 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(235, 218, 241) }
```



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

```
.border{ border-color:rgb(235, 218, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 218, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 218, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 218, 241);  
box-shadow:4px 4px 4px 4px rgb(235, 218,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2095, 74.1558, 93.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 218, 241) }
```

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

```
.background{ background-color: rgb(235,  
218, 241) }
```

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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